UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ANALYTICAL RESULTS AND SAMPLE LOCALITY MAPS OF STREAM SEDIMENT, PANNED-CONCENTRATE, SOIL AND DRILL CORE SAMPLES FROM THE AGUA CALIENTE STUDY AREA, EL CORREO QUADRANGLE, NORTHERN SONORA, MEXICO

By

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CONTENTS

TABLES

FIGURES

STUDIES RELATED TO THE MEXICAN COOP PROGRAM

The analytical results presented in this report are part of a cooperative project between the U.S. Geological Survey and the Consejo de Recursos Minerales of Mexico. The project was established in 1973 using a multidisciplinary (geology, geochemistry, and geophysics) approach in the search for mineralized areas in the Sonoran environment. The project was initially funded by the government of Mexico, the U.S. Geological Survey and the U.S. National Science Foundation.

INTRODUCTION

In May 1980, we began a detailed geochemical sampling program of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico. The Agua Caliente study area comprises about 7 mi^2 (18 km^2) in the north-central portion of the El Correo quadrangle of northern Sonora, Mexico, and lies about 30 miles southwest of the town of Nogales, Arizona (figure 1). Access to the Agua Caliente study area is provided by Mexican National Highway 15 for 12 miles south of Nogales, Arizona and 18 miles west-southwest on an improved dirt road.

The study area comprises siliceous to intermediate volcanics on the ring fracture and slightly outside of the ring fracture of a caldera. The rock units are quartz latite overlain by rhyolites.

The topographic relief in the study area is approximately 985 ft (300 m) with a maximum elevation of 3800 ft (1160 m). The ground surface has poor soil development with sparse vegetation consisting mainly of mesquite, cacti, and catsclaw. Intermittent streams have deeply incised the area, leaving small interstream uplands. The climate is arid.

METHODS OF STUDY

Sample Collection

We collected 233 stream sediment samples, 62 heavy mineral concentrate samples (figure 2), 232 soil samples (figure 3), and 390 drill core samples from three drill holes (figure 3). We analyzed 233 stream sediment samples, 62 panned concentrate samples, 232 soil samples, 390 drill core samples, and 307 heavy mineral concentrates from drill core samples. The sample density for the stream sediment samples is 33 samples per mi^2, for the panned concentrate samples is 8.8 samples per mi^2, and for the soil samples is 178 samples per .30 mi^2.

Stream sediment samples

Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits.

The stream-sediment samples consisted of active alluvium collected from first-order (unbranched) streams or along second-order or even third-order streams when there were no tributaries for two to three hundred meters. Each sample was composited from several localities within an area that may extend as much as 15 feet from the site plotted on the map.

Heavy-mineral-concentrate samples

We panned heavy-mineral concentrate samples from the same active alluvium as the stream-sediment samples. Each bulk sample was passed through a 2.0 mm (10-mesh) screen to remove the coarse material. The sediment passing through the screen was panned until most of the quartz, feldspar, organic material and clay-sized material was removed. The sample was air dried.

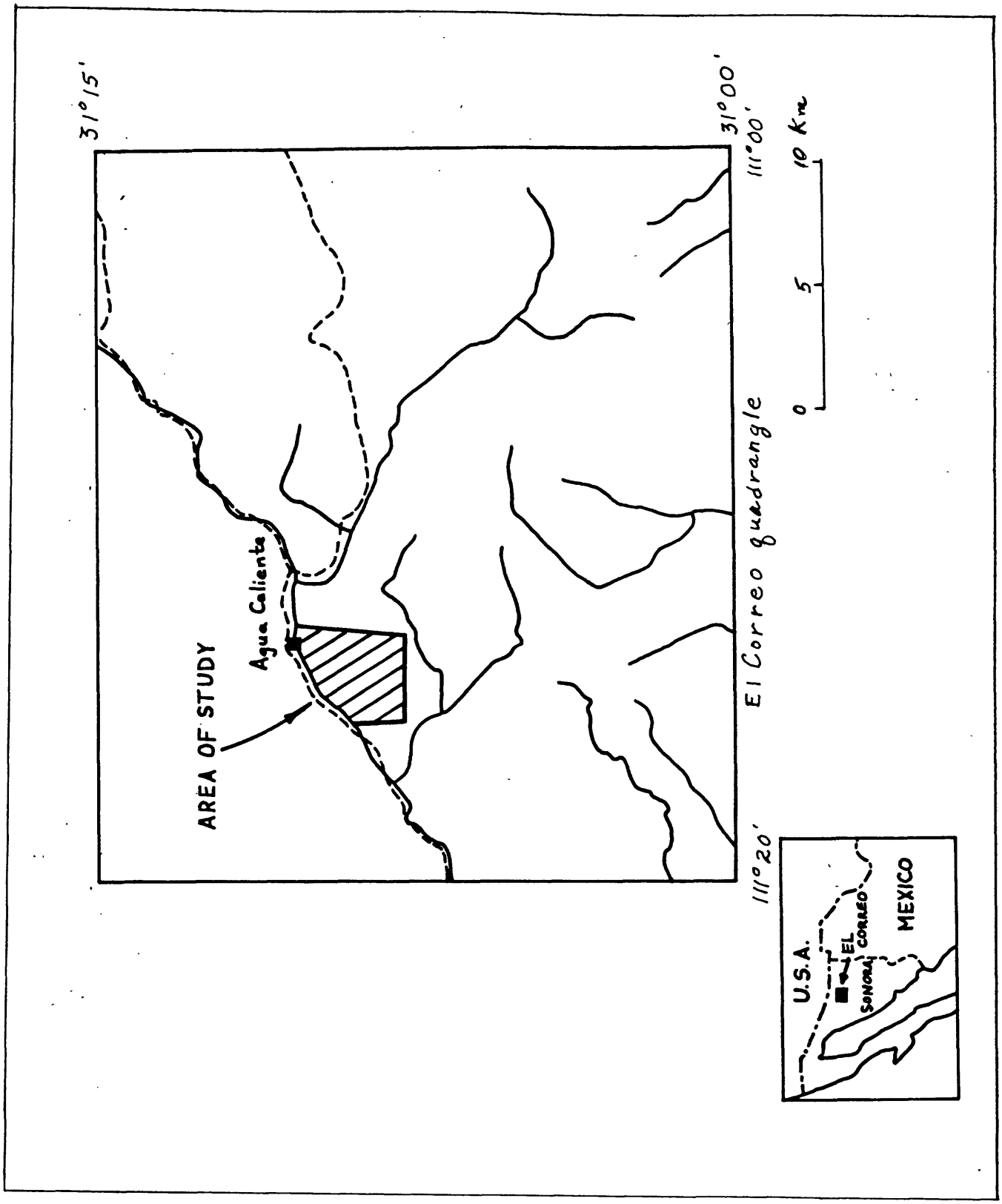

Figure 1.--Index map showing the location of the Agua Caliente study area, El Correo quadrangle, northern Sonora, Mexico

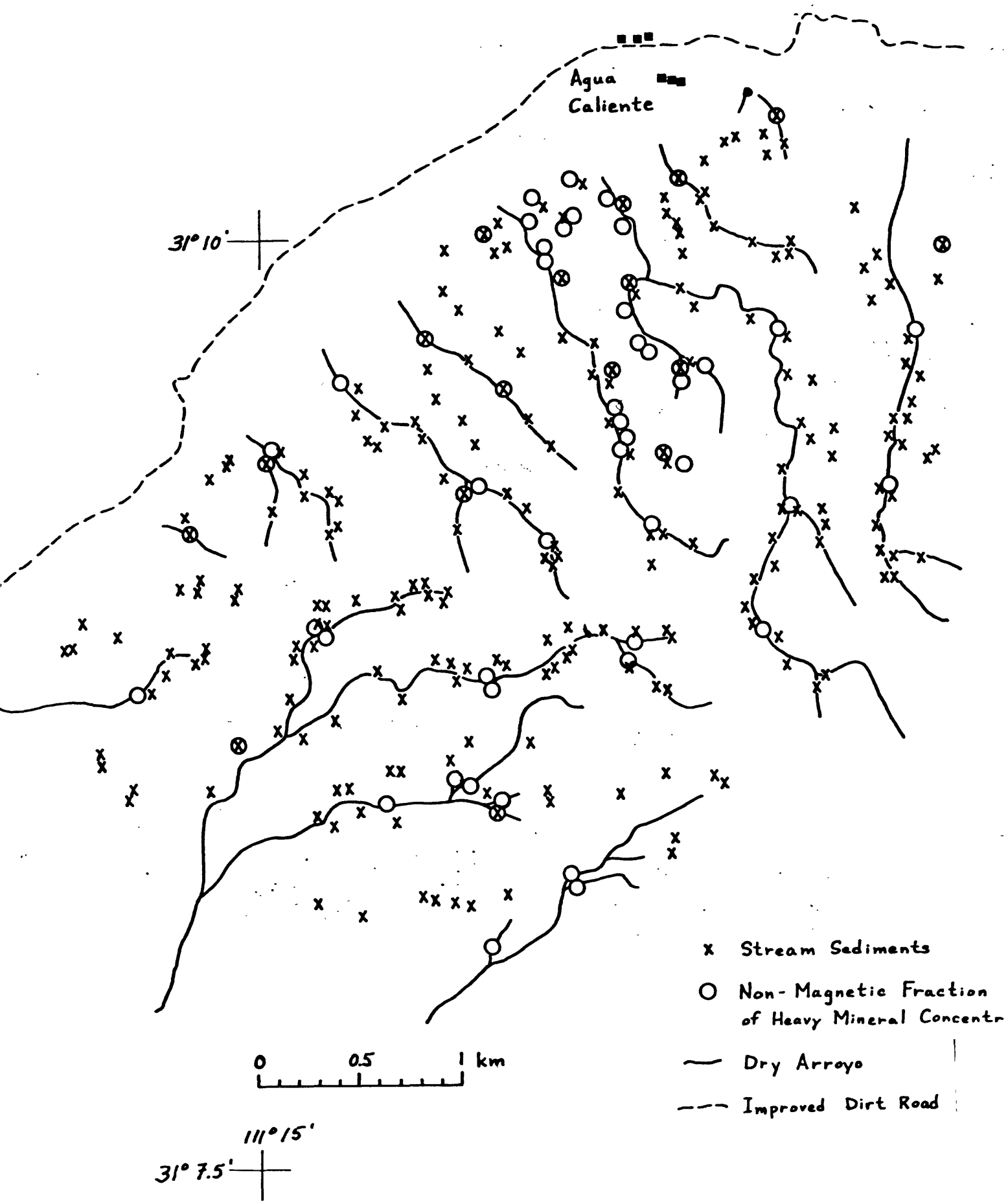

Figure 2.--Stream-sediment and heavy-mineral-concentrate sample location map for the Agua Caliente Study Area, El Correo quadrangle, northern Sonora, Mexico

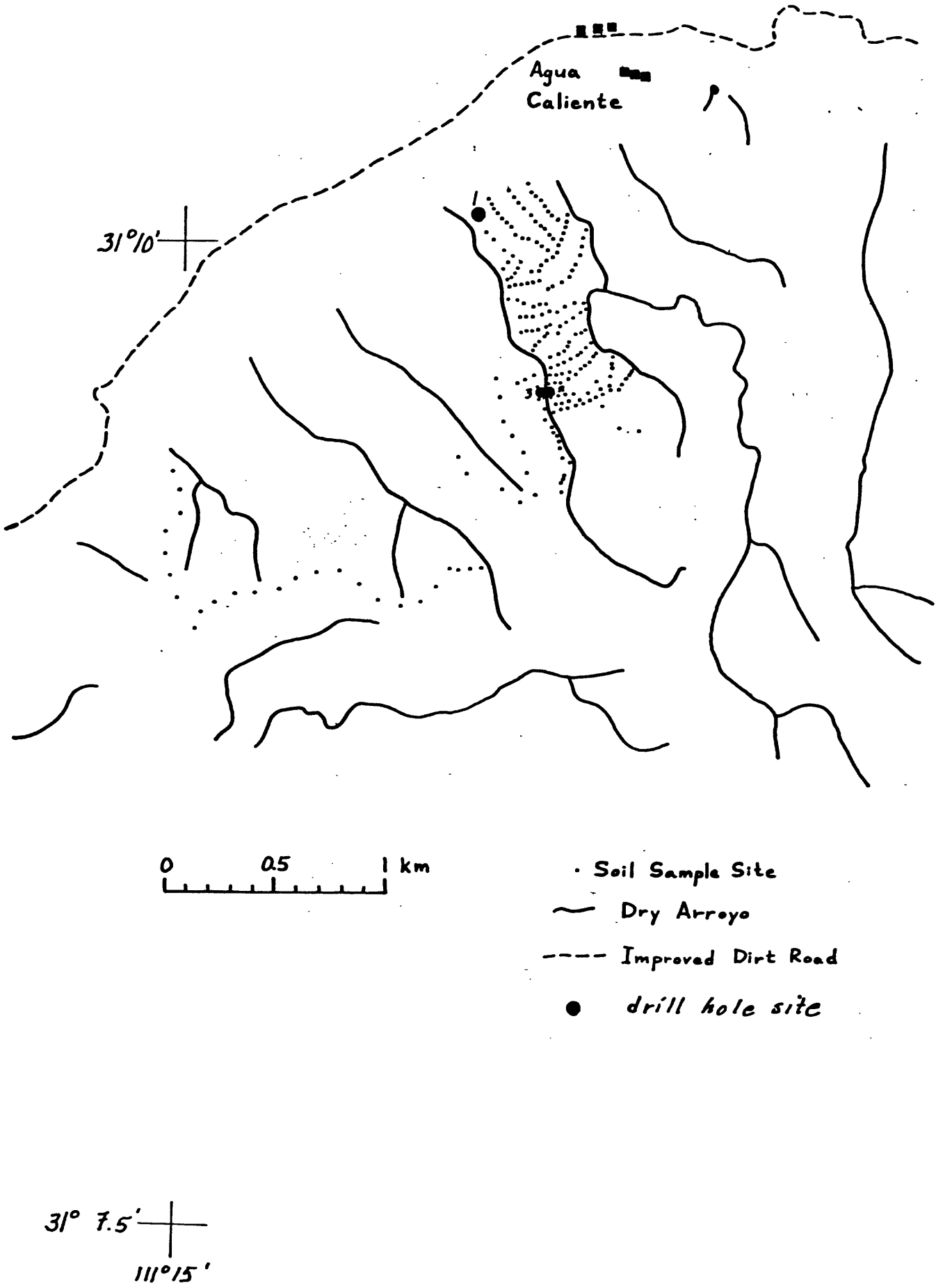

Figure 3.--Soil sample and drill hole location map for the Agua Caliente Study Area, El Correo quadrangle, northern Sonora, Mexico

Soil samples

We collected soil samples in the interstream flat areas and along ridges. The soil sampling program allowed us to sample the area which was found to be anomalous in some of the ore-forming elements revealed by the stream sediment sampling program in greater detail. The soils were sieved through a 30 mesh screen and the minus-30 mesh was saved for analysis. The area covered by the soil sampling was .55 km^2 with a sample density of one sample per 50 m^2.

Drill core samples

Three exploratory holes were drilled in the study area by the Consejo de Recursos Minerales of Mexico. A split of each composited meter of the drill cores was analyzed. Drill hole no. 1 was drilled to a depth of 200 meters, drill hole no. 2 was drilled to a depth of 53 meters, and drill hole no. 3 was drilled to a depth of 140 meters. A sample from each meter of drill core was not available.

Sample Preparation

The stream-sediment samples and the drill core samples required extensive preparation.

We sieved the stream-sediment samples and the soil samples at the collection site through a 30-mesh screen and the minus-30-mesh material was retained. The samples were air dried.

After panning the sediment collected for heavy-mineral concentrate, we used bromoform to separate and remove the remaining quartz and feldspar from the concentrate. The heavy minerals (specific gravity 2.8) were separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material (largely magnetite) was discarded. The second fraction (largely ferromagnesian silicates and iron oxides) was saved for analysis/archival storage. The third fraction (the least magnetic material including nonmagnetic ore minerals, zircon, sphene, etc.) was divided into two splits using a Jones splitter. One split was hand ground for spectrographic analysis; the other split was saved for mineralogical analysis.

The magnetic separates discussed are the same separates that would be produced by removing the magnetite with a hand magnet and then using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the ilmenite, and a current of 1.0 ampere to split the remainder of the sample into magnetic and nonmagnetic fractions.

The drill core samples were crushed and pulverized to approximately minus-30 mesh. A split of the minus-30-mesh sample was pulverized to a fine powder (approximately minus-150-mesh) which was retained for analysis. The remainder of the drill core sample was treated in the manner as the heavy-mineral concentrates with the exception being the drill core samples were not panned.

Sample Analysis

Spectrographic method

We analyzed the stream-sediment, heavy-mineral concentrate, soil and drill core samples for 30 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968) (Tables 1-5). Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting unit at the 83 percent confidence level and plus or minus two reporting units at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram) (Table 6).

Zirconium had values of greater than 5000 for the nonmagnetic fraction of the stream sediment heavy-mineral concentrate samples and the nonmagnetic fraction of the drill core samples. The elements arsenic, gold, cadmium, and antimony were not detected in stream sediment samples in the spectrographic analysis. Scandium and antimony were not detected in the nonmagnetic fraction of the heavy mineral concentrate samples. Arsenic, gold, cadmium, and antimony were not detected in the soil samples. Gold, antimony, and nickel were not detected in the nonmagnetic heavy mineral fraction of the drill core samples. Chromium was not detected in drill hole no. 2. Tungsten and niobium were not detected in drill hole no. 3. Gold, beryllium, antimony, and tungsten were not detected in any of the drill core samples. Arsenic, bismuth, cadmium, and chromium were not detected in drill core. Arsenic, cadmium, chromium, niobium, and scandium were not detected in drill hole no. 2. The detection limit for beryllium in the nonmagnetic fraction of the drill core samples is 20 ppm.

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Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Hopkins, D. M., 1977, An improved ion-selective electrode method for the rapid determination of fluorine in rocks and soils: U.S. Geological Survey Journal of Research, v. 5, no. 5, p. 583-593.

Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC001	31 10 19	111 13 24	2.0	.7	.15	.15	1,500	<.5	150	1,500	2.0
AC002	31 10 14	111 13 23	2.0	.7	.15	.20	1,500	<.5	200	1,500	1.5
AC003	31 10 10	111 13 25	2.0	1.0	.10	.15	1,000	<.5	150	1,500	1.5
AC004	31 10 16	111 13 26	1.5	1.0	.20	.15	2,000	<.5	150	1,500	1.5
AC005	31 10 15	111 13 32	2.0	1.5	.15	.30	3,000	.5	150	1,500	2.0
AC006	31 10 14	111 13 35	2.0	.7	.10	.20	3,000	1.0	150	1,500	1.5
AC007	31 10 12	111 13 38	2.0	.7	.10	.15	5,000	.5	100	1,000	3.0
AC008	31 9 58	111 13 22	2.0	.7	.15	.15	1,500	<.5	100	1,000	2.0
AC009	31 9 57	111 13 22	2.0	1.0	.10	.15	5,000	3.0	150	1,500	2.0
AC010	31 9 56	111 13 24	2.0	1.0	.10	.15	3,000	2.0	150	1,500	1.5
AC011	31 9 58	111 13 29	3.0	1.0	.07	.20	5,000	3.0	100	2,000	1.5
AC012	31 10 1	111 13 36	2.0	.7	.07	.15	3,000	1.5	150	1,500	1.5
AC013	31 10 6	111 13 38	2.0	.7	.07	.15	5,000	2.0	100	1,500	1.5
AC014	31 10 6	111 13 37	3.0	.7	.10	.15	3,000	1.0	150	1,500	2.0
AC015	31 10 9	111 13 43	2.0	1.0	.07	.15	5,000	3.0	150	1,500	1.5
AC016	31 10 6	111 13 45	2.0	1.0	.10	.15	3,000	1.5	150	1,000	2.0
AC017	31 10 3	111 13 45	2.0	1.0	.07	.15	3,000	2.0	150	1,500	2.0
AC018	31 10 1	111 13 42	2.0	.7	.10	.15	2,000	.5	150	1,500	2.0
AC019	31 10 0	111 13 43	2.0	.7	.10	.15	3,000	3.0	150	1,500	3.0
AC020	31 9 57	111 13 41	1.5	.3	1.50	.10	1,500	<.5	70	700	2.0
AC021	31 10 8	111 14 0	2.0	1.5	.07	.15	>5,000	3.0	150	1,500	2.0
AC022	31 10 3	111 14 3	3.0	1.0	.07	.30	5,000	3.0	200	1,500	3.0
AC023	31 10 4	111 14 8	2.0	1.0	.07	.15	3,000	1.0	150	1,500	1.5
AC024	31 9 57	111 14 14	2.0	.7	.15	.15	1,500	1.0	150	1,000	1.5
AC025	31 9 56	111 14 17	1.5	1.0	.10	.15	1,500	1.5	100	1,000	2.0
AC026	31 10 0	111 14 19	3.0	1.0	.10	.20	3,000	1.5	150	1,500	2.0
AC027	31 10 2	111 14 16	2.0	.7	.10	.15	2,000	1.5	100	1,500	2.0
AC028	31 9 57	111 14 26	2.0	.7	.15	.15	1,000	.7	150	1,500	2.0
AC029	31 8 47	111 13 17	2.0	.7	.15	.15	1,500	1.0	150	1,000	1.5
AC030	31 8 48	111 13 16	5.0	1.0	.20	.20	1,000	1.5	1,000	1,500	2.0
AC031	31 8 51	111 13 23	3.0	.7	.30	.15	1,500	3.0	70	1,000	3.0
AC032	31 8 55	111 13 24	3.0	1.0	1.00	.20	1,000	<.5	70	1,000	2.0
AC033	31 8 57	111 13 29	2.0	.7	.15	.15	1,000	1.0	70	700	1.5
AC034	31 8 59	111 13 30	3.0	.5	.15	.15	2,000	3.0	150	700	2.0
AC035	31 9 4	111 13 28	3.0	.7	.15	.15	1,500	2.0	100	1,000	2.0
AC036	31 9 4	111 13 28	2.0	.5	.10	.15	1,000	1.0	70	1,000	1.5
AC037	31 9 10	111 13 25	5.0	.7	.07	.15	3,000	3.0	1,000	700	3.0
AC038	31 9 15	111 13 21	3.0	.7	.07	.15	1,000	2.0	300	1,000	1.5
AC039	31 9 16	111 13 23	3.0	.7	.10	.20	2,000	3.0	300	1,000	2.0
AC040	31 9 22	111 13 23	2.0	.7	.10	.15	1,500	1.5	100	1,000	1.5
AC041	31 9 29	111 13 19	2.0	.7	.10	.15	1,000	2.0	100	700	1.5
AC042	31 9 37	111 13 23	3.0	1.0	.15	.15	3,000	1.0	100	1,500	2.0
AC043	31 9 43	111 13 23	2.0	1.0	.20	.15	2,000	.5	150	1,000	2.0
AC044	31 9 46	111 13 29	3.0	1.5	.50	.15	3,000	1.5	100	1,000	1.5
AC045	31 9 48	111 13 39	3.0	1.0	.30	.15	5,000	1.5	150	1,000	1.5

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC001	N	7	N	10	30	<5	5	150	7	15	200
AC002	N	7	N	15	50	<5	5	150	7	<10	200
AC003	N	7	N	15	30	<5	5	70	7	<10	200
AC004	N	7	N	10	20	<5	5	150	5	N	300
AC005	N	7	N	20	50	<5	10	150	7	N	150
AC006	N	7	N	30	70	<5	7	1,000	10	N	150
AC007	N	7	N	20	70	<5	7	700	7	N	100
AC008	N	7	N	15	50	<5	10	150	7	N	100
AC009	N	7	N	50	70	7	7	2,000	7	N	150
AC010	N	7	N	50	50	<5	7	2,000	7	N	150
AC011	N	7	N	50	50	50	5	3,000	7	N	150
AC012	N	5	N	30	50	<5	5	1,000	7	N	150
AC013	N	7	N	50	50	7	<5	1,500	7	<10	150
AC014	N	5	N	20	70	5	7	500	7	N	150
AC015	N	7	N	20	50	5	5	1,000	7	<10	200
AC016	N	5	N	50	70	5	5	2,000	7	N	300
AC017	N	7	N	30	70	7	<5	2,000	10	<10	300
AC018	N	5	N	15	50	<5	7	500	7	N	150
AC019	N	7	N	30	50	7	5	1,500	7	N	300
AC020	N	N	N	10	50	<5	<5	700	7	N	150
AC021	N	10	N	30	30	15	7	3,000	7	<10	300
AC022	N	7	N	30	50	5	N	2,000	7	<10	300
AC023	N	5	N	50	50	<5	<5	1,000	7	N	300
AC024	N	7	N	30	50	<5	<5	200	7	10	300
AC025	N	7	N	20	50	<5	N	200	7	<10	300
AC026	N	7	N	50	50	5	<5	700	10	10	300
AC027	N	5	N	30	50	<5	<5	700	7	<10	200
AC028	N	7	<10	20	50	<5	5	500	7	<10	200
AC029	N	5	N	20	50	<5	<5	300	7	N	200
AC030	N	15	20	30	50	<5	10	300	15	<10	300
AC031	<10	7	N	70	70	10	<5	1,500	7	<10	200
AC032	<10	7	15	30	50	<5	7	150	10	<10	500
AC033	N	<5	N	30	50	<5	N	300	7	N	150
AC034	30	5	N	70	70	5	N	1,500	7	N	150
AC035	<10	7	N	50	50	<5	N	1,000	7	<10	300
AC036	N	<5	N	20	50	5	N	500	10	N	200
AC037	<10	7	N	50	70	15	15	1,000	7	<10	150
AC038	<10	<5	N	30	70	20	7	1,500	7	N	200
AC039	<10	7	N	70	50	5	N	1,500	7	N	200
AC040	N	5	N	30	50	<5	N	500	7	N	300
AC041	N	5	N	20	70	15	5	1,500	7	N	200
AC042	N	7	N	20	70	<5	7	300	10	N	300
AC043	N	7	N	30	70	5	5	300	7	N	300
AC044	N	7	N	30	70	7	10	500	7	<10	300
AC045	N	7	<10	50	70	20	10	2,000	7	<10	200

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC001	70	N	30	N	70	15	430	3,448,473.5	501,654.41
AC002	70	N	30	N	70	20	318	3,448,319.6	501,680.97
AC003	70	N	30	N	70	20	238	3,448,196.5	501,628.01
AC004	70	N	15	N	70	30	238	3,448,381.2	501,601.53
AC005	70	N	30	300	100	40	490	3,448,350.3	501,442.67
AC006	50	N	30	200	70	30	217	3,448,319.6	501,363.34
AC007	70	N	20	300	70	30	250	3,448,258.0	501,283.91
AC008	50	N	30	N	70	20	280	3,447,827.1	501,707.50
AC009	70	N	30	300	70	20	244	3,447,796.3	501,707.50
AC010	70	N	30	300	70	20	325	3,447,765.5	501,654.52
AC011	70	N	30	300	70	20	220	3,447,827.0	501,522.18
AC012	50	N	30	200	70	30	190	3,447,919.3	501,336.85
AC013	30	N	30	200	100	30	170	3,448,073.3	501,283.93
AC014	50	N	30	200	100	30	170	3,448,073.3	501,310.38
AC015	70	N	30	300	100	30	150	3,448,165.6	501,151.50
AC016	70	N	30	200	100	40	290	3,448,073.3	501,098.62
AC017	70	N	30	300	100	40	280	3,447,980.9	501,098.63
AC018	70	N	30	300	100	60	340	3,447,919.3	501,178.07
AC019	70	N	30	300	100	30	280	3,447,888.5	501,151.54
AC020	20	N	20	200	70	60	209	3,447,796.2	501,204.53
AC021	100	N	30	500	100	80	206	3,448,134.8	500,701.45
AC022	70	N	30	300	150	40	162	3,447,980.8	500,622.02
AC023	70	N	30	300	100	60	162	3,448,011.6	500,489.69
AC024	50	N	30	N	70	20	242	3,447,796.2	500,330.83
AC025	50	N	30	<200	100	20	302	3,447,765.3	500,251.39
AC026	50	N	30	200	100	20	262	3,447,888.5	500,198.50
AC027	50	N	30	<200	150	20	322	3,447,950.1	500,277.93
AC028	70	N	30	N	100	30	242	3,447,796.1	500,013.18
AC029	50	N	30	300	150	10	162	3,445,641.4	501,840.21
AC030	70	N	50	200	200	10	182	3,445,672.2	501,866.75
AC031	50	100	30	700	200	10	702	3,445,764.5	501,681.38
AC032	100	N	30	N	200	15	362	3,445,887.6	501,654.82
AC033	30	50	30	300	100	15	322	3,445,949.2	501,522.45
AC034	30	N	30	300	150	15	362	3,446,010.8	501,495.99
AC035	70	N	30	500	150	15	362	3,446,164.7	501,548.87
AC036	30	N	30	<200	150	20	202	3,446,164.7	501,548.87
AC037	30	N	30	1,000	200	20	282	3,446,349.4	501,628.29
AC038	30	N	30	300	200	20	322	3,446,503.3	501,734.16
AC039	70	N	30	700	150	15	180	3,446,534.1	501,681.26
AC040	50	N	30	300	150	15	128	3,446,718.8	501,681.23
AC041	50	N	30	300	100	15	180	3,446,934.3	501,787.09
AC042	70	N	50	200	100	10	200	3,447,180.6	501,681.15
AC043	70	N	30	<200	150	15	140	3,447,365.3	501,681.13
AC044	70	N	30	700	150	20	240	3,447,457.6	501,522.23
AC045	70	N	30	1,000	150	30	260	3,447,519.2	501,257.46

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC046	31 9 52	111 13 43	3.0	1.5	.10	.15	>5,000	.7	300	2,000	2.0
AC047	31 9 52	111 13 51	2.0	.2	.10	.10	2,000	1.5	70	700	5.0
AC048	31 9 39	111 13 40	2.0	1.5	.30	.15	3,000	3.0	100	1,500	2.0
AC049	31 9 38	111 13 42	3.0	.7	.10	.10	1,500	<.5	100	1,000	3.0
AC050	31 9 51	111 13 51	3.0	1.0	.15	.10	3,000	2.0	100	1,500	2.0
AC052	31 10 2	111 13 52	2.0	.3	.15	.07	2,000	.7	70	700	2.0
AC053	31 10 4	111 13 53	2.0	.7	.15	.15	3,000	2.0	300	1,000	2.0
AC054	31 9 9	111 14 6	2.0	.7	.07	.15	3,000	3.0	70	1,500	2.0
AC055	31 9 8	111 14 6	3.0	.7	.07	.15	5,000	3.0	70	1,000	2.0
AC056	31 9 8	111 14 6	3.0	1.0	.10	.15	>5,000	5.0	50	1,000	2.0
AC057	31 9 8	111 14 7	3.0	1.0	.30	.15	5,000	1.5	50	1,500	2.0
AC058	31 9 15	111 14 11	2.0	.7	.10	.15	>5,000	2.0	70	1,000	3.0
AC059	31 9 18	111 14 14	2.0	.7	.30	.10	5,000	2.0	70	1,000	2.0
AC060	31 9 12	111 14 24	3.0	1.5	.70	.30	>5,000	1.0	70	2,000	2.0
AC061	31 9 18	111 14 22	5.0	1.5	.30	.20	>5,000	1.5	70	2,000	1.5
AC063	31 9 21	111 14 26	1.5	1.5	.20	.15	3,000	<.5	70	2,000	1.5
AC064	31 9 27	111 14 30	1.5	1.5	.15	.15	2,000	N	50	2,000	1.5
AC065	31 9 29	111 14 31	2.0	1.5	.15	.20	3,000	<.5	50	2,000	1.5
AC066	31 9 29	111 14 37	1.5	1.5	.20	.20	5,000	<.5	50	2,000	1.5
AC067	31 9 26	111 14 39	1.5	2.0	.15	.20	3,000	<.5	50	2,000	1.5
AC068	31 9 26	111 14 40	1.0	1.5	.10	.15	3,000	<.5	50	2,000	1.5
AC069	31 9 31	111 14 42	1.0	1.5	.10	.15	3,000	<.5	50	1,500	1.5
AC070	31 9 35	111 14 42	2.0	1.5	.15	.30	>5,000	<.5	70	2,000	1.5
AC072	31 9 6	111 13 48	2.0	1.5	.15	.20	>5,000	1.5	70	2,000	2.0
AC073	31 9 11	111 13 48	2.0	1.5	.15	.20	>5,000	1.5	100	2,000	2.0
AC074	31 9 10	111 13 41	1.5	1.5	.15	.20	>5,000	2.0	200	2,000	2.0
AC075	31 9 12	111 13 47	1.5	1.5	.10	.15	>5,000	2.0	200	2,000	1.5
AC076	31 9 19	111 13 53	1.5	1.0	.10	.15	5,000	3.0	100	2,000	1.5
AC077	31 9 24	111 13 45	1.5	1.5	.20	.20	>5,000	1.5	700	3,000	1.5
AC078	31 9 24	111 13 46	2.0	1.5	.10	.20	>5,000	1.5	150	2,000	1.5
AC079	31 9 24	111 13 52	1.5	1.5	.10	.15	>5,000	1.5	500	1,500	1.5
AC081	31 9 29	111 13 55	2.0	1.0	.10	.20	>5,000	5.0	100	2,000	1.5
AC082	31 9 37	111 13 58	1.5	1.5	.20	.30	>5,000	1.5	100	3,000	2.0
AC083	31 9 36	111 13 55	3.0	1.5	.07	.15	>5,000	3.0	200	1,500	2.0
AC084	31 9 37	111 13 55	1.5	1.5	.10	.15	>5,000	1.5	150	2,000	1.5
AC085	31 9 42	111 13 58	1.5	1.5	.10	.15	>5,000	1.0	150	2,000	2.0
AC086	31 9 44	111 14 4	2.0	1.5	.15	.20	>5,000	.5	100	3,000	2.0
AC087	31 9 53	111 14 4	2.0	1.5	.15	.20	>5,000	1.5	150	3,000	2.0
AC089	31 9 4	111 13 3	1.0	1.5	.10	.15	3,000	.5	150	2,000	1.5
AC090	31 9 5	111 13 4	1.5	1.5	.15	.20	5,000	<.5	300	3,000	1.5
AC091	31 9 8	111 12 58	1.5	1.5	.10	.15	>5,000	1.5	2,000	2,000	1.5
AC092	31 9 8	111 13 3	1.5	1.5	.07	.20	>5,000	1.5	>2,000	2,000	1.5
AC093	31 9 9	111 13 5	2.0	1.5	.10	.20	>5,000	1.5	700	3,000	2.0
AC094	31 9 13	111 13 5	1.0	1.5	.07	.15	>5,000	3.0	300	3,000	1.0
AC095	31 9 18	111 13 3	2.0	1.5	.10	.15	>5,000	1.0	500	3,000	2.0

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC046	N	7	N	50	70	10	<5	2,000	15	<10	300
AC047	N	<5	<10	15	70	5	N	1,500	7	N	150
AC048	N	7	<10	20	70	10	N	1,000	7	N	500
AC049	N	7	10	30	70	5	7	1,000	7	N	150
AC050	N	7	<10	20	70	20	<5	1,500	7	N	300
AC052	N	5	<10	15	50	<5	5	200	5	N	100
AC053	N	7	<10	15	50	10	N	1,000	7	N	300
AC054	N	<5	<10	30	70	30	N	3,000	7	15	200
AC055	N	7	<10	30	70	15	N	3,000	7	<10	200
AC056	10	10	10	70	100	20	7	5,000	7	N	300
AC057	N	7	<10	15	100	15	7	1,500	7	<10	300
AC058	<10	7	<10	70	70	10	N	3,000	7	<10	150
AC059	N	5	N	30	70	<5	5	3,000	5	N	100
AC060	<10	15	15	20	70	7	20	700	10	10	300
AC061	N	10	<10	30	70	15	15	1,500	7	10	200
AC063	N	7	<10	10	70	<5	10	500	7	N	200
AC064	N	5	<10	7	70	<5	<5	70	7	N	300
AC065	N	7	<10	7	70	<5	7	70	7	N	200
AC066	N	7	<10	7	70	5	10	100	7	N	150
AC067	N	7	20	30	70	<5	15	150	7	N	200
AC068	N	5	<10	7	70	<5	5	70	7	N	150
AC069	N	5	<10	5	70	<5	7	50	7	N	100
AC070	N	7	<10	15	70	<5	10	500	7	N	150
AC072	1,000	5	<10	30	70	30	<5	5,000	7	N	100
AC073	N	7	N	30	50	30	N	3,000	7	N	150
AC074	<10	7	N	30	50	7	N	2,000	7	N	150
AC075	<10	5	N	50	50	20	N	3,000	7	N	200
AC076	N	<5	N	30	70	<5	N	1,000	7	N	200
AC077	N	7	N	30	70	5	5	1,500	7	N	300
AC078	N	7	N	50	50	70	7	5,000	7	N	200
AC079	N	5	N	30	30	<5	N	5,000	5	N	300
AC081	N	5	N	30	70	10	5	2,000	7	N	200
AC082	N	7	N	50	70	5	7	5,000	7	N	300
AC083	<10	N	N	200	70	500	N	>10,000	5	15	100
AC084	<10	5	N	70	70	70	<5	7,000	5	<10	200
AC085	N	7	N	30	50	5	<5	5,000	5	N	150
AC086	N	7	N	70	70	<5	7	1,000	7	N	200
AC087	<10	7	N	70	70	10	5	7,000	7	N	200
AC089	N	5	N	20	50	<5	N	150	5	N	200
AC090	N	5	N	20	50	<5	5	150	7	N	150
AC091	<10	<5	N	30	70	5	N	500	7	<10	150
AC092	<10	<5	N	30	50	5	N	1,000	5	N	100
AC093	N	5	N	50	50	5	<5	2,000	5	<10	150
AC094	15	5	N	20	30	7	N	2,000	5	N	100
AC095	<10	7	N	30	70	7	<5	3,000	5	<10	100

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC046	50	N	50	1,500	150	40	300	3,447,642.3	501,151.56
AC047	70	N	30	300	100	60	220	3,447,642.3	500,939.79
AC048	70	N	30	700	70	15	200	3,447,242.1	501,231.04
AC049	70	N	30	300	70	15	390	3,447,211.3	501,178.15
AC050	70	N	30	1,000	70	15	200	3,447,611.5	500,939.79
AC052	30	N	20	300	70	15	264	3,447,950.1	500,913.32
AC053	70	300	30	300	70	20	184	3,448,011.7	500,886.86
AC054	50	N	30	300	100	10	284	3,446,318.5	500,542.68
AC055	50	N	30	500	100	15	394	3,446,287.7	500,542.68
AC056	70	N	50	1,500	70	15	624	3,446,287.7	500,542.68
AC057	70	N	30	300	70	15	484	3,446,287.7	500,516.22
AC058	50	N	50	300	70	40	784	3,446,503.2	500,410.32
AC059	30	N	30	500	70	20	244	3,446,595.6	500,330.87
AC060	100	N	30	<200	70	10	624	3,446,410.8	500,066.08
AC061	70	N	30	200	70	15	504	3,446,595.6	500,119.07
AC063	70	N	30	N	70	10	464	3,446,687.9	500,013.18
AC064	50	N	30	N	70	10	384	3,446,872.6	499,907.29
AC065	70	N	30	N	70	10	157	3,446,934.2	499,880.84
AC066	70	N	30	N	50	15	274	3,446,934.2	499,721.95
AC067	70	N	30	N	50	15	229	3,446,841.8	499,668.96
AC068	50	N	30	N	70	15	214	3,446,841.8	499,642.51
AC069	50	N	30	N	50	10	274	3,446,995.8	499,589.61
AC070	70	N	30	N	70	15	504	3,447,118.9	499,589.62
AC072	50	N	30	500	70	10	544	3,446,226.2	501,019.36
AC073	30	70	30	500	70	15	464	3,446,380.1	501,019.35
AC074	50	N	30	500	50	10	504	3,446,349.3	501,204.70
AC075	30	N	30	300	50	10	584	3,446,410.9	501,045.80
AC076	15	N	30	300	70	15	464	3,446,626.4	500,886.98
AC077	70	N	30	500	50	10	544	3,446,780.3	501,098.75
AC078	70	N	30	500	70	15	624	3,446,780.3	501,072.30
AC079	30	N	20	300	50	15	333	3,446,780.3	500,913.42
AC081	50	N	30	200	70	20	385	3,446,934.2	500,833.96
AC082	70	N	50	300	70	30	345	3,447,180.5	500,754.50
AC083	70	N	30	300	50	80	505	3,447,149.7	500,833.95
AC084	50	N	20	300	70	40	505	3,447,180.5	500,833.94
AC085	50	N	30	500	70	15	425	3,447,334.4	500,754.49
AC086	50	N	30	200	100	30	309	3,447,396.0	500,595.61
AC087	70	N	30	300	100	60	321	3,447,673.0	500,595.59
AC089	50	N	20	200	50	15	273	3,446,164.8	502,210.82
AC090	30	N	30	200	70	15	275	3,446,195.6	502,184.36
AC091	30	N	30	<200	50	10	275	3,446,288.0	502,343.14
AC092	30	N	30	<200	70	15	305	3,446,287.9	502,210.79
AC093	30	N	30	300	70	15	335	3,446,318.7	502,157.88
AC094	30	N	20	500	70	10	455	3,446,441.8	502,157.86
AC095	30	N	30	300	70	15	335	3,446,595.8	502,210.73

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC097	31 9 19	111 13 5	1.5	1.5	.10	.20	>5,000	<.5	150	3,000	1.5
AC098	31 9 25	111 12 56	1.5	1.5	.15	.30	>5,000	<.5	>2,000	3,000	1.5
AC099	31 9 24	111 12 57	2.0	1.5	.10	.20	5,000	<.5	700	1,500	2.0
AC100	31 9 26	111 13 1	1.5	.7	.07	.10	1,500	1.0	2,000	2,000	2.0
AC101	31 9 27	111 13 3	3.0	1.5	.15	.20	>5,000	<.5	300	1,500	1.5
AC102	31 9 30	111 13 2	3.0	1.5	.10	.20	>5,000	2.0	1,500	1,500	2.0
AC105	31 9 30	111 13 0	2.0	1.5	.10	.15	>5,000	1.0	1,500	2,000	2.0
AC106	31 9 32	111 12 59	3.0	1.5	.15	.20	>5,000	<.5	1,500	1,500	1.5
AC107	31 9 36	111 12 58	2.0	1.5	.15	.15	>5,000	<.5	1,500	1,500	2.0
AC108	31 9 39	111 13 0	3.0	1.5	.15	.30	>5,000	<.5	1,000	2,000	1.5
AC109	31 9 43	111 12 59	2.0	1.5	.15	.30	>5,000	1.5	>2,000	3,000	2.0
AC111	31 9 51	111 13 3	2.0	1.5	.10	.20	>5,000	1.5	300	3,000	2.0
AC112	31 9 49	111 13 6	2.0	1.5	.15	.30	>5,000	1.0	1,500	2,000	1.5
AC113	31 9 54	111 13 8	1.5	1.5	.15	.20	>5,000	1.5	70	3,000	1.5
AC114	31 9 56	111 13 5	1.5	1.5	.10	.20	>5,000	<.5	70	3,000	1.0
AC115	31 9 11	111 13 16	1.0	1.5	.07	.20	>5,000	1.5	150	3,000	1.5
AC116	31 9 12	111 13 16	.7	1.5	.07	.15	>5,000	2.0	300	2,000	1.5
AC117	31 9 14	111 13 18	1.0	1.5	.05	.15	>5,000	2.0	2,000	3,000	1.5
AC118	31 9 27	111 13 18	1.0	1.5	.07	.15	>5,000	.7	50	3,000	1.0
AC119	31 9 24	111 13 14	1.0	1.5	.07	.15	>5,000	.5	30	2,000	1.0
AC120	31 9 28	111 13 14	1.5	1.5	.10	.15	>5,000	.5	70	2,000	1.0
AC121	31 9 36	111 13 18	.5	1.5	.10	.10	>5,000	<.5	50	1,500	<1.0
AC122	31 9 51	111 14 26	2.0	1.5	.20	.50	>5,000	.5	70	3,000	2.0
AC123	31 9 47	111 14 23	1.0	1.5	.07	.15	>5,000	<.5	30	3,000	1.5
AC124	31 9 43	111 14 16	1.5	2.0	.15	.30	>5,000	<.5	50	3,000	1.5
AC125	31 9 40	111 14 12	1.5	1.5	.10	.50	>5,000	<.5	50	3,000	1.5
AC126	31 9 26	111 14 6	1.5	1.0	.07	.30	5,000	.5	70	2,000	1.5
AC127	31 9 30	111 14 11	1.5	1.0	.07	.20	5,000	1.5	100	3,000	1.5
AC128	31 9 34	111 14 15	1.0	.7	.07	.15	5,000	.7	70	1,500	1.5
AC129	31 9 39	111 14 21	2.0	1.0	.05	.20	>5,000	1.5	70	3,000	1.5
AC130	31 9 43	111 14 30	2.0	.7	.07	.20	5,000	<.5	70	2,000	1.5
AC131	31 9 25	111 14 20	1.5	1.0	.07	.15	3,000	.5	70	1,500	1.0
AC132	31 9 29	111 14 23	2.0	1.0	.07	.15	5,000	<.5	100	1,500	1.5
AC133	31 9 33	111 14 28	2.0	1.0	.07	.15	>5,000	<.5	70	2,000	1.5
AC134	31 9 38	111 14 29	2.0	1.0	.07	.10	>5,000	.5	70	1,500	1.5
AC135	31 10 4	111 13 9	1.0	1.0	.07	.15	>5,000	.5	50	2,000	1.0
AC136	31 9 52	111 12 54	15.0	1.5	.07	.50	>5,000	<.5	1,500	2,000	1.5
AC137	31 9 58	111 12 53	7.0	1.5	.07	.50	>5,000	<.5	1,500	1,500	1.0
AC138	31 8 56	111 13 45	3.0	1.5	.70	.20	>5,000	3.0	70	1,500	2.0
AC139	31 8 55	111 13 44	5.0	1.5	.70	.20	5,000	1.5	70	1,500	3.0
AC140	31 8 55	111 13 51	3.0	2.0	1.00	.20	>5,000	15.0	70	1,500	3.0
AC141	31 8 50	111 13 52	5.0	1.5	.70	.15	>5,000	5.0	100	1,000	3.0
AC142	31 8 56	111 13 57	7.0	1.5	1.00	.20	>5,000	3.0	100	1,500	2.0
AC143	31 8 54	111 14 7	2.0	1.5	.30	.15	>5,000	3.0	50	1,000	3.0
AC144	31 8 56	111 14 3	7.0	2.0	.70	.30	>5,000	3.0	70	1,500	3.0

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC097	N	7	N	15	50	<5	<5	100	7	N	150
AC098	N	7	N	30	70	<5	N	30	7	N	150
AC099	N	7	N	15	30	<5	5	150	7	N	100
AC100	N	<5	N	50	30	5	N	1,500	5	10	100
AC101	N	7	N	50	50	5	N	150	7	N	150
AC102	<10	7	N	70	30	30	<5	2,000	7	N	150
AC105	N	7	N	50	50	30	5	200	7	N	200
AC106	N	10	N	30	50	5	10	50	7	N	150
AC107	N	7	N	50	50	15	<5	70	7	N	100
AC108	N	10	N	50	50	5	10	100	7	N	300
AC109	N	7	N	50	50	5	10	700	7	N	150
AC111	N	5	N	50	50	<5	<5	1,500	7	N	100
AC112	N	7	N	50	50	<5	7	150	7	N	100
AC113	N	7	N	100	50	<5	7	2,000	7	N	150
AC114	N	<5	N	15	50	<5	N	700	5	N	150
AC115	N	<5	N	50	70	15	<5	1,500	5	N	150
AC116	N	<5	N	50	50	20	N	3,000	5	N	100
AC117	N	N	N	20	70	10	N	3,000	5	N	150
AC118	N	5	N	15	50	<5	5	1,500	5	N	100
AC119	N	<5	N	15	70	N	N	300	5	N	100
AC120	N	<5	N	30	70	5	<5	300	7	N	100
AC121	N	<5	N	7	30	N	N	30	<5	N	100
AC122	N	7	N	70	100	5	7	5,000	7	N	200
AC123	N	5	N	50	50	N	N	3,000	5	N	150
AC124	N	7	N	70	70	<5	<5	5,000	7	N	100
AC125	N	5	N	50	70	<5	<5	2,000	7	N	150
AC126	N	<5	N	50	50	50	7	5,000	7	N	150
AC127	N	<5	N	30	70	7	N	3,000	7	N	150
AC128	N	N	N	15	50	<5	N	1,000	5	N	100
AC129	N	7	N	30	70	50	<5	3,000	7	N	150
AC130	N	5	N	30	70	100	<5	3,000	7	N	150
AC131	N	<5	N	20	50	<5	N	1,000	5	N	150
AC132	N	7	N	15	50	<5	<5	1,000	7	N	100
AC133	N	7	N	20	50	<5	<5	1,500	7	<10	200
AC134	N	5	N	30	50	20	N	5,000	5	N	100
AC135	N	5	N	7	50	<5	N	700	7	N	100
AC136	N	7	N	15	50	<5	<5	70	7	<10	150
AC137	N	7	N	10	50	<5	<5	70	7	N	150
AC138	N	7	<10	30	150	7	N	1,500	15	N	300
AC139	N	7	<10	30	100	10	N	1,500	15	N	300
AC140	N	7	<10	30	150	50	N	5,000	15	N	300
AC141	N	7	30	50	100	20	15	3,000	10	N	200
AC142	N	10	30	70	150	30	10	5,000	15	N	300
AC143	N	5	<10	30	150	7	N	3,000	10	N	200
AC144	N	7	70	50	150	7	30	3,000	15	N	300

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC097	50	N	30	200	70	20	365	3,446,626.6	502,157.82
AC098	30	N	30	<200	70	15	335	3,446,811.3	502,396.02
AC099	30	N	30	200	70	15	430	3,446,780.5	502,369.57
AC100	20	N	20	500	50	30	550	3,446,842.1	502,263.67
AC101	70	N	30	300	70	15	710	3,446,872.8	502,210.67
AC102	70	N	30	300	70	15	670	3,446,965.2	502,237.10
AC105	70	N	30	300	70	20	350	3,446,965.2	502,290.09
AC106	70	N	30	200	70	20	390	3,447,026.8	502,316.53
AC107	70	N	30	300	50	20	430	3,447,149.9	502,342.95
AC108	70	N	30	200	70	20	470	3,447,242.3	502,290.03
AC109	70	N	20	300	70	15	470	3,447,365.4	502,316.45
AC111	50	N	20	300	70	20	410	3,447,611.7	502,210.51
AC112	70	N	30	200	70	10	250	3,447,550.1	502,131.09
AC113	50	N	30	300	70	15	265	3,447,704.0	502,078.16
AC114	50	N	20	200	70	20	220	3,447,765.6	502,157.59
AC115	15	N	30	300	70	10	310	3,446,380.2	501,866.63
AC116	15	N	30	300	70	20	590	3,446,411.0	501,866.62
AC117	30	N	20	300	150	15	265	3,446,472.6	501,813.61
AC118	30	N	20	300	70	10	235	3,446,872.8	501,813.55
AC119	30	N	20	500	50	15	208	3,446,780.4	501,919.46
AC120	30	N	30	200	50	15	226	3,446,903.6	501,919.43
AC121	15	N	20	N	30	15	430	3,447,149.8	501,813.50
AC122	70	N	30	200	150	30	590	3,447,611.4	500,013.18
AC123	20	N	20	200	50	40	490	3,447,488.3	500,092.62
AC124	30	N	30	200	70	15	470	3,447,365.2	500,277.95
AC125	50	N	30	<200	100	30	310	3,447,272.8	500,383.84
AC126	50	N	30	<200	70	15	430	3,446,841.8	500,542.65
AC127	30	N	30	300	70	20	390	3,446,965.0	500,410.30
AC128	20	N	30	N	70	20	450	3,447,088.1	500,304.40
AC129	50	N	30	200	100	30	470	3,447,242.0	500,145.52
AC130	30	N	30	<200	70	30	490	3,447,365.2	499,907.29
AC131	30	N	20	N	70	10	390	3,446,811.0	500,172.07
AC132	30	N	30	N	70	15	730	3,446,934.2	500,092.62
AC133	30	N	30	200	50	20	790	3,447,057.3	499,960.19
AC134	20	N	30	300	70	20	1,070	3,447,211.2	499,933.74
AC135	30	N	30	200	70	10	550	3,448,011.8	502,051.65
AC136	70	N	30	200	150	15	310	3,447,642.5	502,448.73
AC137	70	N	30	<200	150	15	310	3,447,827.2	502,475.22
AC138	70	N	70	1,000	100	10	582	3,445,918.3	501,098.84
AC139	70	N	70	300	200	10	542	3,445,887.6	501,125.30
AC140	70	N	70	300	150	15	542	3,445,887.6	500,939.95
AC141	100	N	70	500	150	10	622	3,445,733.6	500,913.51
AC142	150	N	70	500	150	15	542	3,445,918.3	500,781.14
AC143	70	N	50	300	150	20	642	3,445,856.8	500,516.25
AC144	150	N	70	500	150	15	622	3,445,918.3	500,622.14

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC448	31 8 46	111 13 46	3.0	.7	1.50	.30	1,500	1.0	50	700	2.0
AC449	31 8 46	111 13 45	1.5	.7	.30	.15	1,500	.7	70	500	3.0
AC451	31 8 21	111 13 44	3.0	.7	1.50	.30	700	N	300	500	1.5
AC452	31 8 22	111 13 44	3.0	1.0	1.50	.20	3,000	1.5	150	700	1.5
AC453	31 8 31	111 13 35	5.0	1.0	1.50	.30	1,500	1.5	70	700	1.5
AC454	31 8 32	111 13 36	2.0	.7	1.00	.15	1,500	1.5	70	700	1.5
AC455	31 8 33	111 13 45	2.0	.7	1.50	.20	1,500	.7	70	700	1.5
AC456	31 8 30	111 13 53	5.0	1.0	1.50	.20	3,000	2.0	50	700	2.0
AC457	31 8 29	111 14 7	3.0	.7	1.50	.15	1,500	2.0	200	700	1.5
AC458	31 8 30	111 14 7	3.0	1.5	1.50	.15	1,500	1.5	70	700	1.5
AC459	31 8 38	111 14 11	5.0	1.5	1.50	.20	5,000	3.0	70	700	1.5
AC460	31 8 28	111 14 19	5.0	1.0	1.00	.20	3,000	1.5	30	700	1.5
AC461	31 8 27	111 14 16	3.0	1.5	1.50	.30	1,500	.7	150	700	1.5
AC462	31 8 34	111 14 25	2.0	.7	1.00	.15	1,500	.5	70	700	1.5
AC463	31 8 38	111 14 22	3.0	1.0	1.50	.15	1,500	2.0	100	700	1.5
AC464	31 8 25	111 14 35	3.0	1.0	.70	.30	2,000	.5	70	1,000	1.5
AC465	31 8 33	111 14 35	5.0	1.0	.70	.15	3,000	3.0	70	700	1.5
AC466	31 8 33	111 14 36	5.0	.7	.70	.30	1,500	3.0	50	700	1.5
AC467	31 8 30	111 14 44	2.0	.7	1.50	.15	1,000	3.0	150	700	1.5
AC468	31 8 26	111 14 42	3.0	.7	.70	.30	1,500	1.5	150	700	2.0
AC469	31 8 29	111 14 47	5.0	1.5	1.00	.30	3,000	5.0	300	700	1.5
AC470	31 8 24	111 14 47	3.0	1.5	.70	.20	2,000	.7	300	700	1.5
AC471	31 8 26	111 14 50	2.0	.5	.30	.15	700	.5	1,000	700	1.5
AC472	31 8 11	111 14 21	1.5	.7	.70	.30	1,500	<.5	150	1,000	1.5
AC473	31 8 13	111 14 14	5.0	1.5	1.50	.30	2,000	.5	200	1,000	1.0
AC474	31 8 12	111 14 25	1.5	.7	.70	.30	1,500	<.5	70	1,000	1.5
AC475	31 8 12	111 14 28	2.0	.7	.50	.30	1,500	<.5	70	1,000	1.5
AC476	31 8 13	111 14 30	1.5	.7	.50	.20	1,000	<.5	70	700	1.5
AC477	31 8 9	111 14 42	3.0	1.0	.70	.30	1,500	5.0	150	1,000	1.5
AC478	31 8 11	111 14 50	3.0	1.5	1.50	.30	1,500	3.0	300	1,000	1.5
AC480	31 8 53	111 14 2	2.0	1.0	.30	.15	3,000	5.0	50	700	1.5
AC481	31 8 52	111 14 3	1.5	.7	.30	.15	3,000	3.0	30	700	1.0
AC482	31 8 50	111 14 6	2.0	1.5	1.00	.20	3,000	3.0	50	700	1.5
AC483	31 8 49	111 14 7	3.0	1.0	.70	.15	3,000	3.0	70	700	1.5
AC484	31 8 50	111 14 16	1.5	.7	.70	.15	3,000	2.0	50	1,500	1.5
AC485	31 8 50	111 14 17	1.5	.7	.50	.15	1,500	1.5	30	1,500	1.5
AC486	31 8 49	111 14 22	3.0	1.0	1.50	.15	2,000	1.5	50	1,000	1.5
AC487	31 8 48	111 14 23	2.0	.7	.70	.20	1,000	N	30	1,000	1.5
AC488	31 8 51	111 14 25	1.5	1.0	.50	.15	1,500	.7	50	1,000	1.5
AC489	31 8 51	111 14 28	1.5	1.0	.30	.15	1,500	<.5	30	1,500	1.5
AC490	31 8 45	111 14 34	3.0	1.0	.50	.15	3,000	2.0	70	1,000	1.5
AC491	31 8 49	111 14 30	2.0	.7	.70	.15	1,500	1.5	100	700	1.5
AC493	31 8 49	111 14 39	3.0	1.5	.70	.20	1,500	<.5	30	1,500	1.5
AC494	31 8 41	111 14 47	3.0	.7	.50	.15	2,000	1.0	70	700	1.5
AC495	31 8 38	111 14 53	1.5	.7	1.50	.15	1,500	.5	N	500	1.5

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC448	N	7	<10	30	70	<5	7	150	7	N	150
AC449	N	7	<10	30	30	N	N	500	<5	N	150
AC451	N	5	10	15	70	N	7	70	7	N	200
AC452	N	7	<10	50	50	5	N	300	7	N	300
AC453	N	7	20	50	50	7	10	300	7	N	300
AC454	N	5	<10	30	70	<5	N	300	7	N	200
AC455	N	5	15	20	70	N	7	200	7	N	300
AC456	N	10	<10	70	70	7	N	500	7	N	300
AC457	<10	7	<10	30	70	<5	<5	200	7	N	300
AC458	N	7	<10	30	70	<5	<5	200	7	N	300
AC459	10	7	<10	70	70	30	N	700	7	N	300
AC460	<10	7	10	50	50	7	N	300	7	N	200
AC461	N	7	20	20	50	5	7	150	7	N	300
AC462	N	7	15	20	70	<5	10	150	5	N	300
AC463	N	5	<10	30	50	<5	7	300	5	N	150
AC464	N	10	<10	50	70	15	5	300	7	N	300
AC465	15	7	<10	70	50	<5	N	200	7	N	200
AC466	<10	7	20	50	70	7	10	300	7	N	200
AC467	N	7	10	30	70	<5	15	150	7	N	200
AC468	N	7	<10	50	70	10	N	300	7	N	200
AC469	10	15	30	70	70	20	30	500	7	N	300
AC470	N	10	20	50	70	5	20	150	7	N	300
AC471	N	5	<10	30	50	<5	N	150	7	N	150
AC472	N	7	<10	30	70	<5	5	300	7	N	300
AC473	N	7	10	30	50	<5	5	150	10	N	300
AC474	N	7	<10	15	70	<5	N	300	7	N	300
AC475	N	7	<10	20	70	<5	<5	300	7	N	200
AC476	N	7	<10	15	50	<5	N	150	7	N	200
AC477	15	10	10	30	70	<5	5	300	7	N	300
AC478	<10	7	10	30	50	<5	5	300	7	N	300
AC480	<10	5	<10	70	70	<5	<5	1,000	5	N	200
AC481	N	5	N	30	70	5	N	300	7	N	200
AC482	N	7	<10	30	70	7	<5	700	7	N	300
AC483	<10	7	<10	30	70	20	N	700	7	N	200
AC484	N	5	<10	30	70	<5	<5	700	7	N	200
AC485	N	5	<10	20	70	15	<5	700	7	N	200
AC486	<10	7	10	30	70	20	7	700	7	N	150
AC487	N	5	<10	15	50	N	<5	200	7	N	150
AC488	N	5	<10	30	70	10	N	300	7	N	150
AC489	N	<5	<10	20	70	15	N	300	10	N	150
AC490	<10	7	15	70	70	15	15	700	7	N	150
AC491	<10	7	10	30	70	10	5	300	7	N	150
AC493	N	7	20	20	70	<5	7	200	10	N	150
AC494	<10	7	<10	30	70	<5	N	150	7	N	150
AC495	N	7	N	15	70	<5	7	50	7	N	200

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC448	70	N	30	<200	150	15	320	3,445,610.5	501,072.42
AC449	30	N	15	<200	100	10	335	3,445,610.5	501,098.88
AC451	70	N	30	N	150	15	200	3,444,840.9	501,125.41
AC452	70	N	30	N	100	10	240	3,444,871.7	501,125.41
AC453	100	70	30	<200	150	15	810	3,445,148.8	501,363.75
AC454	70	N	30	N	70	15	320	3,445,179.6	501,337.20
AC455	70	N	30	N	150	15	320	3,445,210.3	501,098.92
AC456	70	N	30	<200	150	15	410	3,445,117.9	500,887.11
AC457	70	N	30	<200	100	20	260	3,445,087.1	500,516.28
AC458	70	N	30	N	70	15	320	3,445,117.9	500,516.28
AC459	70	N	30	300	150	10	410	3,445,364.2	500,410.36
AC460	70	70	30	200	150	15	240	3,445,056.3	500,198.55
AC461	70	N	30	<200	150	15	210	3,445,025.5	500,278.01
AC462	70	N	30	N	100	15	280	3,445,241.0	500,039.64
AC463	70	N	30	200	70	15	410	3,445,364.2	500,119.09
AC464	70	N	30	200	150	20	320	3,444,964.0	499,774.90
AC465	70	N	30	500	150	20	480	3,445,210.3	499,774.91
AC466	70	N	30	500	150	20	440	3,445,210.3	499,748.36
AC467	70	N	30	200	150	15	520	3,445,117.9	499,536.54
AC468	70	N	30	300	150	15	368	3,444,994.8	499,589.54
AC469	70	N	30	300	150	20	388	3,445,087.1	499,457.08
AC470	70	N	30	300	150	15	288	3,444,933.2	499,457.07
AC471	50	N	20	N	100	15	138	3,444,994.8	499,377.62
AC472	70	N	30	<200	200	15	168	3,444,533.0	500,145.55
AC473	100	N	30	<200	150	15	168	3,444,594.6	500,330.93
AC474	70	N	30	<200	70	15	228	3,444,563.8	500,039.64
AC475	70	N	30	<200	100	20	188	3,444,563.8	499,960.18
AC476	70	N	20	N	70	20	308	3,444,594.6	499,907.27
AC477	70	N	30	200	150	15	248	3,444,471.4	499,589.52
AC478	70	N	20	N	70	15	326	3,444,533.0	499,377.59
AC480	50	N	30	700	100	15	456	3,445,825.9	500,648.60
AC481	50	N	30	300	70	10	266	3,445,795.2	500,622.15
AC482	70	N	50	700	70	10	536	3,445,733.6	500,542.70
AC483	70	N	30	300	150	20	296	3,445,702.8	500,516.25
AC484	50	N	30	300	70	10	656	3,445,733.6	500,277.99
AC485	70	N	30	300	150	30	376	3,445,733.6	500,251.45
AC486	70	N	30	200	100	15	716	3,445,702.8	500,119.09
AC487	50	N	30	<200	70	10	416	3,445,672.0	500,092.63
AC488	50	N	30	300	100	20	1,076	3,445,764.3	500,039.63
AC489	30	N	30	<200	100	15	496	3,445,764.3	499,960.18
AC490	70	N	30	500	100	15	376	3,445,579.7	499,801.37
AC491	70	N	30	300	70	15	336	3,445,702.8	499,907.28
AC493	70	N	30	N	150	15	746	3,445,702.8	499,668.92
AC494	70	N	30	N	100	15	240	3,445,456.5	499,457.10
AC495	50	N	30	N	70	10	328	3,445,364.2	499,298.28

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC496	31 8 37	111 15 4	1.0	.7	1.00	.15	1,000	3.0	70	700	1.5
AC497	31 8 30	111 15 10	3.0	2.0	3.00	.20	1,500	1.5	100	1,000	1.5
AC498	31 9 2	111 14 25	2.0	.7	.70	.15	1,500	<.5	30	1,500	1.5
AC499	31 9 1	111 14 26	3.0	1.0	1.50	.20	2,000	<.5	50	1,000	1.5
AC500	31 9 2	111 14 29	1.5	.7	.70	.20	1,500	<.5	50	1,500	1.5
AC501	31 9 3	111 14 30	3.0	1.0	.50	.30	1,500	<.5	70	1,500	1.5
AC502	31 9 3	111 14 32	2.0	.7	.30	.20	1,500	<.5	50	1,500	1.5
AC503	31 9 1	111 14 36	1.5	.7	.30	.20	1,500	N	50	1,500	1.5
AC504	31 8 59	111 14 34	2.0	1.0	1.50	.15	3,000	100.0	50	1,500	1.5
AC505	31 9 0	111 14 42	3.0	1.5	1.00	.30	2,000	<.5	70	2,000	1.5
AC506	31 8 56	111 14 49	2.0	.7	.30	.15	3,000	.5	30	1,000	1.5
AC507	31 8 59	111 14 48	1.5	.7	.50	.15	3,000	.5	70	1,500	1.5
AC508	31 9 0	111 14 49	2.0	.7	.20	.15	3,000	1.0	50	1,500	1.5
AC509	31 8 57	111 14 50	2.0	.7	.30	.15	3,000	.5	50	1,500	1.5
AC510	31 8 53	111 14 51	3.0	1.0	.30	.15	3,000	.5	70	1,500	1.5
AC511	31 8 52	111 14 54	3.0	1.0	.30	.15	3,000	<.5	50	1,500	1.5
AC512	31 8 51	111 14 54	1.5	.7	.20	.15	1,500	.5	30	1,000	1.5
AC513	31 8 45	111 14 55	1.5	1.0	.30	.15	3,000	1.0	50	1,000	1.5
AC514	31 8 39	111 14 57	3.0	1.0	.50	.15	>5,000	1.0	30	1,000	1.5
AC515	31 8 52	111 15 38	3.0	1.0	.50	.15	1,500	.7	700	700	1.5
AC516	31 8 53	111 15 36	3.0	1.5	.50	.15	5,000	1.0	300	1,000	1.5
AC517	31 8 54	111 15 28	7.0	1.5	1.00	.20	>5,000	2.0	300	1,500	1.5
AC518	31 8 57	111 15 34	3.0	1.5	.70	.15	>5,000	1.5	300	1,500	1.5
AC519	31 9 1	111 15 6	2.0	1.0	.30	.15	3,000	.5	30	1,000	1.5
AC520	31 9 2	111 15 5	3.0	.7	.15	.50	1,500	<.5	100	1,000	1.5
AC521	31 9 3	111 15 12	5.0	1.5	.70	.70	1,500	30.0	100	1,000	1.5
AC522	31 9 3	111 15 13	3.0	1.5	.70	.50	3,000	3.0	70	1,000	1.5
AC523	31 9 3	111 15 16	5.0	.7	.70	.30	1,500	1.0	70	700	1.5
AC524	31 9 12	111 15 15	3.0	.7	.30	.30	2,000	1.5	70	1,000	1.5
AC525	31 9 14	111 15 15	3.0	1.0	.70	.30	1,500	1.0	100	700	1.5
AC526	31 9 20	111 15 10	3.0	.7	.50	.30	1,500	<.5	150	1,000	1.5
AC527	31 9 23	111 15 7	3.0	.7	.30	.30	1,000	<.5	100	1,000	1.5
AC528	31 9 24	111 15 5	3.0	.7	.30	.30	1,000	<.5	70	700	1.5
AC529	31 9 30	111 14 57	5.0	2.0	1.00	.50	1,000	<.5	50	700	1.5
AC530	31 9 12	111 14 47	3.0	1.5	.70	.30	1,500	<.5	50	700	1.5
AC531	31 9 13	111 14 46	3.0	.7	.30	.50	1,500	<.5	70	1,500	1.5
AC532	31 9 17	111 14 46	2.0	.5	.20	.30	700	<.5	50	1,500	1.5
AC533	31 9 18	111 14 48	1.5	.7	.30	.15	1,000	<.5	70	700	1.5
AC534	31 9 18	111 14 52	2.0	.7	.30	.30	1,500	<.5	50	1,000	1.5
AC535	31 9 22	111 14 52	3.0	.7	.70	.20	1,000	<.5	70	1,000	1.5
AC536	31 9 15	111 14 58	3.0	.5	.07	.30	1,500	<.5	100	1,000	2.0
AC537	31 9 23	111 14 59	3.0	.5	.15	.20	1,000	<.5	70	1,000	1.5
AC538	31 9 24	111 14 57	2.0	.7	.30	.30	1,500	<.5	50	1,000	1.5
AC539	31 8 52	111 15 11	3.0	1.0	.70	.30	2,000	1.0	70	700	1.5
AC540	31 8 52	111 15 11	3.0	1.0	.70	.20	2,000	1.5	70	700	2.0

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC496	<10	5	N	15	50	<5	<5	150	7	N	150
AC497	N	15	150	30	50	<5	15	200	7	N	300
AC498	N	5	<10	30	70	<5	<5	300	5	N	200
AC499	N	7	<10	30	70	<5	<5	200	7	N	200
AC500	N	5	10	15	70	<5	7	300	5	N	200
AC501	N	7	15	15	70	<5	15	200	7	N	200
AC502	N	<5	<10	15	70	N	<5	300	7	N	200
AC503	N	<5	<10	15	70	N	N	300	7	N	150
AC504	N	<5	<10	15	50	N	N	500	7	N	200
AC505	N	10	50	15	70	<5	15	200	10	N	200
AC506	N	<5	<10	10	50	5	<5	200	7	N	150
AC507	N	<5	<10	7	50	7	N	300	7	N	150
AC508	N	5	<10	10	70	15	N	300	10	N	150
AC509	N	7	<10	7	70	10	<5	300	7	N	150
AC510	N	7	<10	10	70	5	<5	300	7	N	200
AC511	<10	7	<10	15	70	5	5	200	7	N	200
AC512	<10	<5	<10	7	70	7	N	300	7	N	150
AC513	<10	5	<10	30	70	5	5	300	7	N	150
AC514	10	10	15	30	70	7	15	300	7	N	150
AC515	N	7	30	30	70	<5	15	150	7	N	150
AC516	N	7	20	20	70	N	10	150	7	N	150
AC517	10	10	10	20	70	10	<5	700	10	N	200
AC518	<10	7	<10	30	70	7	N	500	7	N	200
AC519	N	7	<10	20	70	10	N	700	7	N	150
AC520	N	7	<10	30	70	20	N	700	7	N	150
AC521	N	10	<10	30	70	7	5	700	7	N	200
AC522	<10	7	10	150	70	10	7	700	7	N	200
AC523	<10	7	<10	30	70	15	10	150	7	N	150
AC524	<10	7	<10	30	70	5	N	300	7	<10	200
AC525	N	15	70	20	70	5	30	200	7	N	150
AC526	N	7	10	20	70	5	15	300	10	N	200
AC527	N	7	10	20	70	5	7	300	7	N	300
AC528	N	5	<10	15	70	<5	N	200	7	N	200
AC529	N	15	70	30	70	<5	70	70	10	N	200
AC530	N	7	30	30	70	<5	20	200	10	N	150
AC531	N	7	20	30	70	5	15	300	7	N	200
AC532	N	5	<10	10	70	<5	N	150	7	N	200
AC533	N	<5	<10	15	70	<5	N	200	5	N	150
AC534	N	7	<10	10	70	5	30	150	7	N	200
AC535	N	7	<10	20	70	<5	5	150	7	N	300
AC536	N	<5	<10	15	70	30	7	300	7	N	200
AC537	N	<5	<10	15	70	30	5	300	7	N	200
AC538	N	5	<10	15	70	<5	7	100	7	N	200
AC539	<10	7	<10	30	70	15	7	500	7	N	200
AC540	<10	7	10	30	70	10	15	300	7	N	150

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC496	50	N	20	200	70	20	276	3,445,333.4	499,007.00
AC497	100	N	20	<200	100	10	236	3,445,118.0	498,848.07
AC498	70	N	30	<200	70	10	336	3,446,103.0	500,039.63
AC499	70	N	30	<200	100	15	346	3,446,072.2	500,013.18
AC500	50	N	30	<200	70	15	282	3,446,103.0	499,933.73
AC501	70	N	30	N	100	15	386	3,446,133.8	499,907.28
AC502	50	N	30	N	70	20	242	3,446,133.8	499,854.29
AC503	50	N	30	<200	100	30	240	3,446,072.2	499,748.38
AC504	50	N	30	<200	100	20	276	3,446,010.6	499,801.38
AC505	100	N	30	<200	100	15	276	3,446,041.4	499,589.57
AC506	50	N	30	N	70	10	213	3,445,918.3	499,404.22
AC507	50	N	30	200	70	10	206	3,446,010.7	499,430.68
AC508	70	N	30	300	100	15	240	3,446,041.4	499,404.22
AC509	70	N	30	200	70	10	231	3,445,949.1	499,377.68
AC510	70	N	30	<200	70	15	396	3,445,825.9	499,351.21
AC511	70	N	30	<200	50	15	226	3,445,795.2	499,271.76
AC512	50	N	20	<200	70	15	286	3,445,764.4	499,271.76
AC513	70	N	30	300	70	15	386	3,445,579.7	499,245.29
AC514	70	N	20	300	70	15	386	3,445,395.0	499,192.37
AC515	70	N	30	N	70	10	210	3,445,795.3	498,106.82
AC516	70	N	15	N	70	10	261	3,445,826.1	498,159.73
AC517	150	N	30	300	100	15	466	3,445,856.8	498,371.54
AC518	70	N	15	300	30	15	334	3,445,949.2	498,212.75
AC519	70	N	20	300	70	20	237	3,446,072.3	498,954.08
AC520	70	N	30	300	300	20	183	3,446,103.0	498,980.63
AC521	100	N	30	700	200	30	261	3,446,133.8	498,795.28
AC522	70	N	30	1,500	150	10	326	3,446,133.8	498,768.73
AC523	70	N	30	300	150	20	326	3,446,133.8	498,689.38
AC524	70	N	50	1,000	150	20	296	3,446,410.9	498,715.86
AC525	70	N	20	300	150	15	296	3,446,472.5	498,715.87
AC526	50	N	50	200	200	20	236	3,446,657.2	498,848.24
AC527	70	N	30	N	150	15	326	3,446,749.5	498,927.70
AC528	70	N	30	N	150	15	221	3,446,780.3	498,980.69
AC529	150	N	20	N	150	15	476	3,446,965.0	499,192.49
AC530	70	N	30	300	150	10	376	3,446,410.8	499,457.15
AC531	70	N	30	N	150	15	336	3,446,441.6	499,483.69
AC532	70	N	30	N	150	10	176	3,446,564.8	499,483.70
AC533	50	N	30	N	70	10	191	3,446,595.6	499,430.71
AC534	70	N	30	N	70	10	221	3,446,595.6	499,324.81
AC535	70	N	30	N	100	15	266	3,446,718.7	499,324.82
AC536	50	N	30	N	200	15	209	3,446,503.2	499,165.91
AC537	50	N	30	N	150	10	191	3,446,749.5	499,139.48
AC538	70	N	30	N	100	30	182	3,446,780.3	499,192.48
AC539	100	N	30	200	150	10	496	3,445,795.2	498,821.69
AC540	70	N	30	300	150	10	376	3,445,795.2	498,821.69

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Latitude	Longtude	Fe%-S	Mg%-S	Ca%-S	Ti%-S	Mn ppm-S	Ag ppm-S	B ppm-S	Ba ppm-S	Be ppm-S
AC541	31 8 51	111 15 13	5.0	2.0	1.50	.50	1,500	1.0	70	700	2.0
AC542	31 8 52	111 15 19	3.0	.7	.70	.20	1,500	.7	70	700	1.5
AC543	31 8 48	111 15 19	3.0	1.5	1.50	.30	3,000	2.0	150	1,500	1.5
AC544	31 8 45	111 15 22	3.0	.7	.50	.20	2,000	.5	100	1,500	1.5
AC546	31 8 28	111 15 26	1.5	.7	.30	.15	1,000	<.5	150	1,000	1.5
AC547	31 8 29	111 15 25	3.0	.7	.30	.30	1,500	<.5	150	1,000	1.5
AC548	31 8 34	111 15 31	5.0	1.5	.70	.30	3,000	.5	100	1,500	2.0
AC549	31 8 35	111 15 32	2.0	1.0	.15	.15	5,000	1.5	70	1,500	1.5

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	Bi ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Mo ppm-S	Ni ppm-S	Pb ppm-S	Sc ppm-S	Sn ppm-S	Sr ppm-S
AC541	<10	15	100	20	70	7	70	300	15	<10	150
AC542	<10	7	<10	20	70	7	10	300	7	N	150
AC543	15	15	15	30	70	7	15	1,500	10	N	150
AC544	N	7	<10	20	70	<5	<5	300	7	N	200
AC546	N	5	<10	5	70	<5	<5	100	5	N	150
AC547	N	5	<10	7	70	<5	<5	100	7	N	150
AC548	<10	10	50	15	70	10	15	700	7	N	150
AC549	<10	7	<10	30	70	15	7	700	7	N	200

Table 1. Analytical data for minus 30 mesh stream sediment samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, northern Sonora, Mexico.--continued

Sample	V ppm-S	W ppm-S	Y ppm-S	Zn ppm-S	Zr ppm-S	As ppm-CM	F ppm-CM	utmy	utmx
AC541	150	N	50	500	150	20	536	3,445,764.4	498,768.69
AC542	70	N	20	200	150	15	266	3,445,795.2	498,609.89
AC543	150	N	30	200	100	15	356	3,445,672.1	498,609.87
AC544	70	N	20	<200	70	15	311	3,445,579.8	498,530.40
AC546	50	N	20	N	70	20	176	3,445,056.4	498,424.42
AC547	100	N	30	N	70	40	197	3,445,087.2	498,450.88
AC548	150	N	30	<200	150	10	236	3,445,241.2	498,292.08
AC549	70	N	30	300	70	15	272	3,445,271.9	498,265.54

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown; Sch, scheelite; Flu, fluorite; numbers in the Sch and Flu columns indicate the mineral is present and the concentration increases with the increase in the number.]

Sample	Latitude	Longitude	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	Au ppm-s	B ppm-s
AC563	31 8 3	111 14 18	.7	.20	3.00	.7	300	15	N	N	20
AC561	31 8 15	111 14 2	.7	.30	10.00	1.5	300	15	N	N	20
AC562	31 8 17	111 14 3	.7	.20	5.00	.7	500	30	N	N	20
AC461	31 8 27	111 14 17	.7	.30	2.00	.7	500	30	N	N	30
AC569	31 8 28	111 14 37	.7	.15	.70	>2.0	300	15	N	N	100
AC566	31 8 28	111 14 17	.3	.15	1.50	.7	300	15	N	N	20
AC567	31 8 31	111 14 23	.7	.15	1.50	1.5	300	7	N	N	20
AC568	31 8 31	111 14 25	.7	.20	1.50	>2.0	300	15	N	N	20
AC496	31 8 37	111 15 5	.3	.10	2.00	>2.0	300	150	N	N	30
AC545	31 8 45	111 15 24	1.5	.15	3.00	>2.0	300	10	N	N	N
AC556	31 8 47	111 14 19	.5	.10	3.00	1.5	500	30	N	N	20
AC557	31 8 49	111 14 19	.3	.05	3.00	.7	300	10	N	N	N
AC555	31 8 52	111 13 53	.5	.15	3.00	1.5	500	15	N	N	<20
AC554	31 8 54	111 13 52	.3	.15	15.00	.7	300	30	N	N	<20
AC565	31 8 55	111 14 50	.3	.07	>3.20	200.0	7	N	30	<20	>10,000
AC564	31 8 55	111 14 51	.7	.20	2.00	>2.0	300	5	N	N	20
AC553	31 8 56	111 13 27	.3	.15	10.00	.7	300	100	N	N	20
AC558	31 9 11	111 14 8	.7	.10	3.00	.7	300	15	N	N	<20
AC524	31 9 12	111 15 15	1.5	.30	.70	>2.0	700	7	N	N	30
AC552	31 9 13	111 13 49	1.5	.15	3.00	1.0	500	70	N	30	<20
AC103	31 9 16	111 13 23	1.0	.50	20.00	1.5	1,500	70	<500	N	70
AC096	31 9 19	111 13 4	1.5	.50	1.00	>2.0	3,000	30	1,000	N	150
AC559	31 9 19	111 14 23	.7	.15	10.00	1.5	700	70	N	N	<20
AC062	31 9 20	111 14 22	1.0	.30	2.00	2.0	2,000	20	N	N	100
AC165	31 9 23	111 13 42	1.5	1.00	30.00	1.5	5,000	15	N	N	150
AC537	31 9 24	111 14 59	3.0	.30	.20	>2.0	500	7	N	N	50
AC078	31 9 25	111 13 46	1.5	.70	7.00	>2.0	7,000	10	500	N	150
AC551	31 9 25	111 14 59	1.5	.15	.70	>2.0	300	10	N	N	30
AC080	31 9 26	111 13 54	1.5	.30	3.00	1.5	3,000	30	1,000	N	150
AC173	31 9 28	111 13 54	3.0	.30	.70	>2.0	2,000	30	N	N	300
AC166	31 9 30	111 13 55	2.0	.30	1.50	>2.0	5,000	20	N	N	300
AC174	31 9 33	111 13 55	3.0	1.00	.50	>2.0	2,000	20	N	N	300
AC560	31 9 34	111 14 15	1.0	5.00	.15	.7	>2	700	10	2,000	N
AC071	31 9 36	111 14 45	1.0	.30	15.00	>2.0	1,500	50	<500	N	150
AC083	31 9 36	111 13 56	5.0	.50	2.00	.3	3,000	7	7,000	N	70
AC084	31 9 38	111 13 56	3.0	.70	.70	>2.0	7,000	7	3,000	N	150
AC176	31 9 38	111 13 43	5.0	.50	1.50	>2.0	15,000	15	3,000	N	3,000
AC175	31 9 38	111 13 43	3.0	.50	.70	1.5	5,000	15	N	N	300
AC048	31 9 39	111 13 41	2.0	.70	15.00	>2.0	3,000	20	N	N	200
AC179	31 9 43	111 13 49	3.0	.50	.70	>2.0	3,000	30	<500	N	300
AC180	31 9 43	111 13 50	5.0	.70	1.50	>2.0	7,000	30	7,000	N	150
AC130	31 9 43	111 14 31	1.0	.70	1.50	>2.0	2,000	5	>20,000	N	70
AC104	31 9 44	111 13 24	1.0	.50	30.00	>2.0	1,500	70	1,000	30	150
AC110	31 9 45	111 12 59	1.0	.70	1.50	2.0	3,000	15	1,000	N	150
AC182	31 9 48	111 13 52	3.0	.30	1.00	1.5	>10,000	30	3,000	N	300

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area , El Correo quadrangle, northern Sonora,Mexico.

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s
AC563	700	N	500	150	N	N	10	70	>5,000	<50	10	30,000
AC561	1,000	N	70	150	N	N	30	150	1,500	70	15	30,000
AC562	700	N	70	100	N	N	20	100	1,000	<50	10	20,000
AC461	500	N	150	300	N	N	700	150	2,000	N	15	>50,000
AC569	700	N	150	N	15	N	30	50	70	<50	15	700
AC566	3,000	N	70	150	N	N	20	70	7,000	N	15	7,000
AC567	1,500	N	30	100	N	N	30	50	200	N	<10	1,500
AC568	700	N	150	150	N	N	70	100	100	<50	15	3,000
AC496	200	N	500	100	N	N	700	100	200	<50	10	30,000
AC545	30,000	N	70	200	N	N	300	150	700	<50	<10	50,000
AC556	1,500	N	20	100	N	N	30	150	1,500	<50	15	30,000
AC557	>10,000	N	50	150	N	N	30	70	1,500	<50	<10	30,000
AC555	700	N	100	100	N	N	30	150	1,500	<50	10	30,000
AC554	300	N	N	150	N	N	20	200	>5,000	150	15	>50,000
AC565	N	500	150	N	N	30	150	700	150	<10	7,000	7,000
AC564	700	N	70	<50	N	N	15	150	700	70	<10	7,000
AC553	500	N	700	<50	N	N	30	200	>5,000	70	10	>50,000
AC558	10,000	N	<20	200	N	N	150	150	>5,000	<50	<10	>50,000
AC524	700	N	70	<50	N	70	200	30	70	<10	2,000	2,000
AC552	1,000	N	50	<50	N	N	50	200	>5,000	50	15	>50,000
AC103	700	150	>2,000	150	<10	<20	150	300	>5,000	100	N	>0
AC096	700	150	>2,000	300	10	<20	1,500	200	>5,000	<50	N	>0
AC559	>10,000	N	<20	150	N	N	30	200	1,500	70	10	30,000
AC062	>10,000	150	70	150	10	<20	150	300	3,000	<50	N	5,000
AC165	1,500	150	<20	150	15	<20	300	1,500	>5,000	70	N	>0
AC537	5,000	N	<20	100	N	N	15	300	50	150	<10	3,000
AC078	1,500	150	20	150	15	50	300	1,500	>5,000	50	N	5,000
AC551	>10,000	N	<20	100	N	N	30	200	70	70	<10	7,000
AC080	5,000	150	70	150	15	70	150	1,000	>5,000	50	N	50
AC173	3,000	30	20	150	10	50	700	>2,000	3,000	50	N	50,000
AC166	3,000	200	20	200	15	<20	300	2,000	3,000	70	N	500
AC174	1,500	150	30	150	15	50	500	>2,000	>5,000	50	N	5,000
AC560	30	2,000	N	<20	150	N	N	500	500	>5,000	100	>50,000
AC071	>10,000	200	30	200	<10	<20	150	500	1,500	150	N	3
AC083	200	100	70	100	20	70	200	1,500	>5,000	70	N	>50,000
AC084	1,500	150	70	150	20	20	300	1,500	>5,000	50	N	50,000
AC176	3,000	30	N	150	10	30	500	>2,000	>5,000	<50	N	>0
AC175	7,000	70	50	N	15	30	1,000	>2,000	>5,000	<50	N	5
AC048	2,000	150	N	150	15	20	500	>2,000	>5,000	<50	N	5
AC179	7,000	1,000	<20	N	15	<20	700	>2,000	700	50	N	50
AC180	3,000	150	<20	150	15	20	300	>2,000	1,500	<50	N	3
AC130	1,000	15	30	100	20	100	150	500	>5,000	<50	N	500
AC104	700	200	70	200	10	<20	150	500	5,000	200	N	50,000
AC110	700	150	1,500	300	10	<20	700	300	>5,000	<50	N	50
AC182	1,500	>2,000	<20	150	10	20	200	2,000	700	<50	N	30,000

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area , El Correo quadrangle, northern Sonora,Mexico.

Sample	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s	Sch	Flu
AC563	500	<200	1,500	700	700	N	N	2,000	3	N
AC561	200	300	700	1,500	700	N	N	2,000	4	N
AC562	N	300	700	700	700	N	N	2,000	3	N
AC461	N	N	>20,000	300	700	N	N	N	3	N
AC569	N	N	150	150	700	N	N	N	2	N
AC566	50	300	200	300	700	N	N	2,000	3	N
AC567	N	<200	150	200	300	N	N	N	1	N
AC568	<20	<200	300	200	700	N	N	N	2	1
AC496	N	N	2,000	500	700	N	N	2,000	3	N
AC545	30	<200	15,000	500	700	N	N	2,000	2	N
AC556	30	<200	700	700	700	N	N	N	3	1
AC557	N	700	3,000	1,000	700	N	N	N	4	N
AC555	50	<200	500	700	700	N	N	N	4	N
AC554	150	300	300	7,000	300	N	N	2,000	4	N
AC565	N	1,000	150	15,000	300	N	N	2,000	4	1
AC564	20	300	150	1,500	500	N	N	N	4	1
AC553	>2,000	300	700	1,000	500	N	N	2,000	4	1
AC558	30	300	10,000	1,000	700	1,000	N	N	4	N
AC524	<20	N	200	150	700	N	N	N	1	N
AC552	150	300	150	700	700	N	N	N	4	N
AC103	>2,000	300	500	15,000	700	N	N	2,000	3	1
AC096	200	300	>20,000	N	700	1,500	N	2,000	N	N
AC559	70	700	2,000	1,500	700	N	N	N	4	1
AC062	50	700	3,000	500	700	2,000	N	2,000	2	N
AC165	50	7,000	300	15,000	700	N	N	2,000	N	N
AC537	<20	500	150	300	700	N	N	N	N	N
AC078	150	7,000	700	<100	500	700	N	2,000	N	N
AC551	<20	700	700	300	700	N	N	N	1	N
AC080	>2,000	3,000	700	3,000	500	N	<200	2,000	2	N
AC173	30	7,000	300	<100	500	1,500	<200	2,000	N	N
AC166	30	10,000	150	150	700	1,500	300	2,000	N	N
AC174	70	7,000	300	<100	500	2,000	<200	2,000	N	N
AC560	200	700	700	300	700	N	N	N	1	N
AC071	20	700	1,000	15,000	700	N	<200	2,000	2	1
AC083	300	500	300	150	300	N	200	2,000	1	N
AC084	150	2,000	700	100	700	N	N	2,000	N	N
AC176	30	700	300	<100	700	<500	<200	2,000	N	N
AC175	70	10,000	300	<100	300	1,000	<200	2,000	N	N
AC048	70	7,000	2,000	<100	700	1,500	N	2,000	N	N
AC179	50	7,000	150	<100	700	<500	1,000	2,000	N	N
AC180	30	5,000	300	<100	700	<500	1,500	2,000	N	N
AC130	150	700	300	1,000	300	N	N	N	1	N
AC104	>2,000	700	70	>20,000	700	N	<200	2,000	3	1
AC110	300	200	20,000	<100	700	1,000	N	2,000	N	N
AC182	<20	2,000	200	100	500	1,500	1,000	2,000	N	N

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	Au ppm-s	B ppm-s
AC047	31 9 52	111 13 52	3.0	.70	.15	>2.0	5,000	15	10,000	N	300
AC087	31 9 53	111 14 5	3.0	.70	1.00	>2.0	10,000	30	15,000	N	150
AC185	31 9 54	111 14 6	3.0	.70	.30	>2.0	>10,000	30	3,000	N	150
AC088	31 9 56	111 14 9	1.5	.30	3.00	2.0	3,000	50	7,000	N	150
AC187	31 9 57	111 14 9	2.0	.70	1.00	>2.0	>10,000	20	1,500	N	200
AC137	31 9 58	111 12 54	1.0	.70	.70	2.0	3,000	15	<500	N	150
AC026	31 10 0	111 14 19	1.5	.70	.70	>2.0	2,000	15	N	N	200
AC354	31 10 1	111 13 54	2.0	.70	.30	>2.0	5,000	5	3,000	N	70
AC150	31 10 2	111 14 12	1.0	.70	1.50	.7	1,500	N	7,000	N	70
AC356	31 10 2	111 14 5	3.0	1.50	.15	>2.0	1,500	30	N	N	200
AC355	31 10 3	111 14 3	2.0	1.00	.70	>2.0	5,000	30	3,000	N	200
AC053	31 10 5	111 13 54	1.0	.30	15.00	>2.0	2,000	30	N	700	150
AC359	31 10 6	111 13 57	3.0	2.00	.15	>2.0	3,000	15	3,000	N	200
AC358	31 10 6	111 14 11	7.0	1.50	.15	>2.0	7,000	10	10,000	N	200
AC357	31 10 9	111 14 3	2.0	1.50	.15	>2.0	3,000	7	N	N	150
AC015	31 10 10	111 13 43	2.0	.70	.30	>2.0	2,000	15	N	N	150
AC001	31 10 19	111 13 25	1.5	1.00	.70	2.0	1,500	20	N	N	150

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s	Pb ppm-s
AC047	1,500	70	N	700	15	<20	500	>2,000	>5,000	70	N	>0
AC087	1,000	150	N	300	15	20	300	700	>5,000	<50	N	50
AC185	1,500	500	<20	300	20	<20	700	700	>5,000	150	N	>0
AC088	1,500	150	30	200	15	<20	500	1,500	>5,000	<50	N	50
AC187	2,000	50	<20	100	15	<20	700	>2,000	2,000	150	N	3
AC137	1,000	150	70	150	<10	<20	30	100	700	<50	N	15,000
AC026	2,000	150	N	150	10	<20	150	200	200	70	N	700
AC354	700	30	20	150	15	50	150	1,500	>5,000	<50	N	>50,000
AC150	100	15	70	100	30	50	20	500	>5,000	70	N	>50,000
AC356	1,500	50	N	150	20	<20	300	700	300	100	N	100
AC355	1,500	70	N	150	15	<20	300	1,500	2,000	70	N	30,000
AC053	700	200	150	300	10	<20	500	700	5,000	70	N	50,000
AC359	1,000	50	N	150	20	<20	150	500	300	150	N	10,000
AC358	1,500	30	N	150	20	30	500	700	2,000	150	N	50
AC357	1,000	50	N	500	15	70	1,500	700	>5,000	70	N	500
AC015	1,500	70	N	200	15	50	700	500	>5,000	70	N	50,000
AC001	2,000	300	N	300	10	70	150	200	300	<50	N	30,000

Table 2. Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s	Sch	Flu
AC047	30	3,000	>20,000	200	700	N	N	2,000	1	N
AC087	70	1,000	10,000	150	700	N	N	2,000	N	N
AC185	50	700	>20,000	150	700	700	N	N	N	N
AC088	100	3,000	3,000	300	700	500	N	2,000	2	1
AC187	20	5,000	700	150	500	500	N	2,000	N	1
AC137	20	N	150	100	700	N	<200	N	N	N
AC026	>2,000	700	200	N	300	N	<200	N	N	N
AC354	150	500	7,000	<100	700	N	N	N	N	N
AC150	300	500	1,500	500	150	N	N	N	N	N
AC356	50	700	150	<100	700	N	N	N	N	N
AC355	30	700	300	<100	700	N	N	N	N	N
AC053	1,000	1,000	3,000	700	700	N	N	2,000	2	N
AC359	30	700	200	150	500	N	<200	N	N	N
AC358	70	700	1,000	150	500	N	N	N	N	N
AC357	700	500	>20,000	<100	700	1,500	N	N	1	N
AC015	150	500	5,000	<100	300	N	N	N	N	N
AC001	30	200	3,000	N	700	N	N	N	N	1

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac151	4,196	2,147	7.0	1.50	3.00	.70	1,000.00	N	70.00
ac152	4,129	2,161	7.0	1.00	1.00	.70	1,500.00	<.5	150.00
ac153	4,065	2,237	5.0	.70	.70	.50	300.00	N	70.00
ac154	4,044	2,330	5.0	1.00	.70	.30	1,000.00	N	150.00
ac155	3,990	2,380	5.0	1.00	.70	.50	700.00	<.5	100.00
ac156	3,944	2,483	5.0	.70	.50	.20	300.00	<.5	150.00
ac157	3,874	2,544	5.0	1.50	.70	.50	5,000.00	1.5	150.00
ac158	3,891	2,621	5.0	.70	.30	.30	3,000.00	3.0	100.00
ac159	3,840	2,703	5.0	.70	.30	.30	1,500.00	1.5	100.00
ac160	3,766	2,767	7.0	1.00	.30	.70	3,000.00	3.0	100.00
ac161	3,711	2,813	5.0	1.50	.70	.70	>5,000.00	5.0	100.00
ac162	3,653	2,874	5.0	.70	.30	.50	3,000.00	1.5	100.00
ac188	3,899	2,220	5.0	1.50	.70	.30	>5,000.00	7.0	150.00
ac189	3,916	2,228	7.0	1.50	.70	.30	>5,000.00	3.0	100.00
ac190	3,945	2,239	3.0	1.50	.70	.30	>5,000.00	3.0	100.00
ac191	3,971	2,245	5.0	1.50	.20	.30	3,000.00	1.5	150.00
ac192	3,997	2,256	5.0	1.00	.50	.50	700.00	N	150.00
ac193	4,020	2,266	3.0	.70	.70	.20	1,500.00	N	70.00
ac194	4,045	2,277	5.0	1.50	.50	.30	3,000.00	<.5	100.00
ac195	4,073	2,287	5.0	1.50	.50	.30	1,500.00	N	100.00
ac196	4,097	2,296	5.0	1.00	.30	.30	1,500.00	N	150.00
ac197	4,121	2,312	5.0	1.00	.30	.30	2,000.00	N	150.00
ac198	4,135	2,332	5.0	.70	.30	.15	3,000.00	N	50.00
ac199	4,146	2,353	7.0	1.50	.30	.50	>5,000.00	1.5	150.00
ac200	4,158	2,380	7.0	1.50	.70	.70	>5,000.00	2.0	150.00
ac201	4,169	2,401	10.0	1.50	.70	.50	>5,000.00	1.5	100.00
ac202	4,096	2,426	10.0	1.50	1.00	.70	>5,000.00	2.0	200.00
ac203	4,096	2,400	7.0	1.50	1.00	.50	>5,000.00	1.5	150.00
ac204	4,097	2,372	5.0	1.50	.50	.30	>5,000.00	1.5	100.00
ac205	4,097	2,350	5.0	1.00	.70	.30	2,000.00	<.5	150.00
ac206	4,094	2,321	3.0	1.50	.50	.30	1,500.00	<.5	100.00
ac207	4,054	2,314	5.0	1.00	.70	.30	2,000.00	<.5	70.00
ac208	4,022	2,294	7.0	1.50	.70	.30	>5,000.00	1.0	5.00
ac209	3,992	2,271	7.0	1.50	.70	.50	5,000.00	.5	200.00
ac210	3,959	2,281	7.0	1.50	.30	.30	5,000.00	3.0	150.00
ac211	3,930	2,288	7.0	1.50	.30	3,000.00	1.50	150.0	1,500.00
ac212	3,914	2,291	10.0	2.00	.70	.30	>5,000.00	15.0	150.00
ac213	3,887	2,291	15.0	1.50	.70	.20	>5,000.00	10.0	150.00
ac214	3,881	2,320	10.0	1.50	.50	.30	>5,000.00	7.0	100.00
ac215	3,899	2,326	7.0	1.50	.30	.30	>5,000.00	15.0	150.00
ac216	3,919	2,332	7.0	1.50	.70	.30	>5,000.00	7.0	150.00
ac217	3,946	2,340	10.0	1.50	.70	.30	>5,000.00	1.5	150.00
ac218	3,974	2,357	7.0	1.50	.30	.30	5,000.00	1.5	150.00
ac219	4,005	2,389	3.0	1.50	.30	.30	>5,000.00	1.5	100.00
ac220	4,020	2,403	7.0	2.00	.70	.30	>5,000.00	3.0	150.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac151	1,500	2.0	N	15.0	30.0	30.0000	100	5	<20
ac152	1,500	2.0	N	15.0	100.0	70.0000	150	7	<20
ac153	1,500	1.5	N	10.0	30.0	50.0000	150	7	<20
ac154	1,500	3.0	N	10.0	30.0	30.0000	150	5	<20
ac155	1,500	2.0	N	10.0	30.0	30.0000	150	5	<20
ac156	1,500	3.0	N	10.0	<10.0	30.0000	100	<5	<20
ac157	2,000	2.0	N	15.0	20.0	30.0000	150	7	<20
ac158	1,500	3.0	N	10.0	10.0	70.0000	150	15	<20
ac159	1,500	2.0	N	10.0	10.0	30.0000	150	15	<20
ac160	2,000	3.0	<10	15.0	30.0	100.0000	200	20	<20
ac161	1,500	3.0	N	15.0	30.0	150.0000	150	20	<20
ac162	1,500	3.0	N	10.0	30.0	30.0000	150	10	<20
ac188	700	3.0	N	15.0	30.0	50.0000	150	30	<20
ac189	700	3.0	N	15.0	30.0	70.0000	150	10	<20
ac190	1,500	2.0	N	10.0	30.0	70.0000	150	15	<20
ac191	1,000	3.0	N	15.0	20.0	30.0000	150	5	<20
ac192	1,500	3.0	N	10.0	30.0	50.0000	150	7	<20
ac193	1,000	2.0	N	10.0	15.0	15.0000	150	<5	<20
ac194	2,000	3.0	N	10.0	30.0	20.0000	150	7	<20
ac195	1,500	3.0	N	5.0	20.0	15.0000	150	5	<20
ac196	1,500	3.0	N	<5.0	15.0	10.0000	150	5	<20
ac197	1,500	3.0	N	7.0	10.0	15.0000	150	5	<20
ac198	700	2.0	N	5.0	100.0	15.0000	150	N	<20
ac199	2,000	3.0	N	15.0	30.0	100.0000	150	7	<20
ac200	2,000	3.0	N	15.0	30.0	100.0000	150	15	<20
ac201	15,000	3.0	N	10.0	30.0	500.0000	150	10	<20
ac202	1,500	3.0	N	15.0	50.0	70.0000	150	15	<20
ac203	1,500	3.0	N	15.0	50.0	70.0000	150	7	<20
ac204	1,500	3.0	N	15.0	30.0	50.0000	150	5	<20
ac205	1,500	3.0	N	10.0	30.0	20.0000	150	<5	<20
ac206	2,000	2.0	N	7.0	10.0	15.0000	150	7	<20
ac207	1,500	3.0	N	7.0	10.0	15.0000	150	<5	<20
ac208	150	1,500.0	N	2.0	10.0	30.0000	15	150	<20
ac209	1,500	3.0	N	7.0	30.0	15.0000	150	7	<20
ac210	1,500	7.0	N	7.0	30.0	30.0000	150	70	<20
ac211	3	7.0	N	20.0	30.0	150.0000	20	7	<20
ac212	1,500	5.0	N	15.0	30.0	150.0000	150	20	<20
ac213	2,000	3.0	10	10.0	30.0	150.0000	150	30	<20
ac214	1,500	5.0	N	15.0	30.0	70.0000	150	10	<20
ac215	1,500	3.0	<10	15.0	30.0	70.0000	150	30	<20
ac216	1,500	3.0	10	15.0	30.0	70.0000	150	20	<20
ac217	1,500	2.0	N	15.0	30.0	70.0000	150	20	<20
ac218	1,500	2.0	N	7.0	20.0	30.0000	150	7	<20
ac219	2,000	3.0	N	10.0	30.0	30.0000	150	15	<20
ac220	1,500	3.0	N	15.0	30.0	50.0000	150	15	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac151	N	70	15	N	1,500	150	N	50	N	300
ac152	N	1,500	15	N	300	150	N	150	N	500
ac153	N	500	15	N	300	150	N	70	N	300
ac154	N	700	15	20	300	100	N	70	N	300
ac155	N	700	15	N	300	150	N	70	N	300
ac156	N	700	10	N	150	70	N	50	300	200
ac157	N	500	15	N	500	100	N	70	300	300
ac158	N	2,000	15	N	200	150	N	70	N	500
ac159	N	1,000	15	<10	150	100	N	70	300	300
ac160	N	5,000	15	N	500	150	N	70	N	500
ac161	N	1,500	15	N	300	100	N	70	300	500
ac162	N	700	15	N	150	100	N	50	N	500
ac188	N	5,000	10	N	300	150	N	70	500	300
ac189	N	700	10	N	300	150	N	70	700	300
ac190	N	700	10	N	300	100	N	70	500	200
ac191	N	1,000	15	N	300	70	N	70	200	300
ac192	N	700	15	N	500	100	N	50	N	300
ac193	N	1,000	7	N	150	70	N	30	N	200
ac194	N	1,000	15	10	300	100	N	70	N	300
ac195	N	1,000	15	20	200	100	N	70	N	200
ac196	N	700	15	15	300	70	N	50	N	200
ac197	N	500	15	30	300	70	N	70	N	300
ac198	<5	1,500	7	<10	100	70	N	50	N	100
ac199	15	3,000	15	10	200	100	N	70	500	200
ac200	15	3,000	15	<10	200	100	N	70	500	300
ac201	20	1,500	15	N	200	100	N	70	300	300
ac202	20	1,500	15	N	300	150	N	100	700	200
ac203	20	1,500	15	N	200	150	N	70	700	200
ac204	20	1,500	15	<10	200	150	N	70	300	300
ac205	15	700	15	N	300	100	N	70	N	300
ac206	10	700	15	20	300	100	N	70	300	150
ac207	15	1,000	15	15	150	100	N	70	300	150
ac208	10	1,000	15	N	500	100	N	70	300	200
ac209	15	1,000	15	N	500	150	N	70	500	300
ac210	N	7,000	15	<10	300	100	N	70	300	70
ac211	15	2,000	15	N	300	10	N	70	300	200
ac212	15	7,000	15	<10	500	150	N	70	700	300
ac213	7	7,000	10	15	300	70	N	70	700	150
ac214	15	5,000	15	N	150	100	N	70	1,500	300
ac215	10	7,000	10	N	300	100	N	70	700	300
ac216	15	7,000	15	N	300	100	N	70	500	200
ac217	15	5,000	15	N	700	100	N	70	300	300
ac218	7	3,000	15	N	300	150	N	70	300	150
ac219	15	1,500	15	N	300	150	N	70	200	200
ac220	20	2,000	15	N	300	150	N	70	700	200

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac221	4,034	2,432	10.0	1.50	.50	.30	>5,000.00	1.5	150.00
ac222	4,046	2,449	7.0	2.00	.50	.30	>5,000.00	3.0	150.00
ac223	4,029	2,474	7.0	2.00	.70	.30	>5,000.00	1.5	200.00
ac224	4,014	2,456	5.0	1.50	.30	.30	>5,000.00	3.0	150.00
ac225	3,992	2,442	7.0	2.00	.70	.30	>5,000.00	7.0	300.00
ac226	3,976	2,434	5.0	1.50	.70	.30	3,000.00	<.5	200.00
ac227	3,954	2,421	5.0	2.00	.70	.30	>5,000.00	3.0	200.00
ac228	3,932	2,411	7.0	1.50	.50	.30	>5,000.00	3.0	100.00
ac229	3,910	2,404	7.0	1.00	.70	.20	>5,000.00	1.5	100.00
ac230	3,885	2,400	7.0	1.50	.50	.30	>5,000.00	3.0	150.00
ac231	3,881	2,421	5.0	1.50	.30	.30	>5,000.00	2.0	100.00
ac232	3,910	2,436	5.0	.70	.20	.15	>5,000.00	<.5	70.00
ac233	3,924	2,447	7.0	1.50	.70	.20	>5,000.00	1.5	150.00
ac234	3,940	2,463	7.0	1.50	.70	.30	>5,000.00	1.5	200.00
ac235	3,816	2,444	7.0	1.50	1.00	.30	>5,000.00	3.0	150.00
ac236	3,827	2,463	7.0	1.50	.50	.30	>5,000.00	2.0	150.00
ac237	3,833	2,476	7.0	1.50	.20	.20	>5,000.00	1.0	100.00
ac238	3,853	2,497	7.0	1.50	.30	.30	>5,000.00	3.0	150.00
ac239	3,874	2,510	7.0	1.50	.50	.30	>5,000.00	2.0	100.00
ac240	3,909	2,511	7.0	1.50	.70	.30	>5,000.00	.5	150.00
ac241	3,969	2,508	5.0	1.50	.30	.20	>5,000.00	1.5	200.00
ac242	3,993	2,516	7.0	1.00	.50	.15	>5,000.00	1.0	150.00
ac243	4,008	2,524	10.0	1.50	1.00	.30	>5,000.00	3.0	150.00
ac247	3,989	2,588	7.0	1.50	.50	.20	3,000.00	2.0	150.00
ac246	3,962	2,570	7.0	1.50	.70	.30	>5,000.00	3.0	150.00
ac244	3,917	2,532	7.0	1.50	.30	.30	>5,000.00	2.0	150.00
ac245	3,935	2,549	5.0	2.00	.50	.30	>5,000.00	3.0	150.00
ac248	4,009	2,594	5.0	1.50	.50	.30	3,000.00	2.0	150.00
ac249	4,000	2,631	3.0	.70	.30	.20	5,000.00	1.0	70.00
ac250	3,958	2,623	5.0	1.50	.50	.30	3,000.00	1.0	150.00
ac251	3,933	2,604	5.0	1.50	.50	.30	3,000.00	1.0	150.00
ac252	3,899	2,589	3.0	1.50	.70	.30	5,000.00	1.5	150.00
ac253	3,872	2,589	5.0	1.50	.50	.30	>5,000.00	2.0	150.00
ac254	3,844	2,578	7.0	2.00	.70	.20	>5,000.00	7.0	200.00
ac255	3,813	2,567	7.0	2.00	.50	.20	>5,000.00	7.0	150.00
ac256	3,787	2,569	10.0	1.50	.30	.20	>5,000.00	1.5	70.00
ac257	3,767	2,570	7.0	2.00	.70	.30	>5,000.00	3.0	100.00
ac258	3,861	2,536	3.0	1.50	.50	.30	>5,000.00	1.5	70.00
ac259	3,840	2,523	5.0	1.50	.50	.30	5,000.00	1.5	100.00
ac260	3,814	2,516	3.0	1.50	.30	.30	>5,000.00	2.0	70.00
ac261	3,792	2,514	5.0	1.50	.30	.20	>5,000.00	2.0	70.00
ac262	3,771	2,516	7.0	2.00	.70	.20	>5,000.00	3.0	100.00
ac263	3,728	2,630	5.0	1.50	.30	.20	>5,000.00	1.0	70.00
ac264	3,756	2,628	5.0	1.50	.50	.20	>5,000.00	1.5	70.00
ac265	3,783	2,613	7.0	1.50	.30	.20	>5,000.00	7.0	100.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac221	1,500	3.0	N	10.0	20.0	30.0000	150	10	<20
ac222	1,500	3.0	N	15.0	70.0	70.0000	150	15	<20
ac223	1,500	3.0	N	15.0	50.0	30.0000	150	10	<20
ac224	2,000	10.0	N	30.0	50.0	150.0000	15	10	<20
ac225	2,000	5.0	<10	15.0	70.0	50.0000	150	20	<20
ac226	1,500	3.0	N	10.0	20.0	20.0000	150	15	<20
ac227	1,500	3.0	N	15.0	30.0	30.0000	150	15	<20
ac228	1,500	3.0	<10	10.0	50.0	30.0000	150	30	<20
ac229	1,500	5.0	N	10.0	30.0	30.0000	150	10	<20
ac230	1,500	3.0	N	15.0	30.0	50.0000	150	15	<20
ac231	2,000	3.0	N	10.0	30.0	30.0000	150	10	<20
ac232	1,500	3.0	N	7.0	10.0	20.0000	100	5	<20
ac233	1,500	5.0	N	7.0	30.0	30.0000	150	30	<20
ac234	1,500	3.0	N	7.0	30.0	50.0000	150	20	<20
ac235	2,000	5.0	N	15.0	20.0	50.0000	150	10	<20
ac236	2,000	3.0	N	10.0	30.0	30.0000	150	10	<20
ac237	1,500	5.0	N	7.0	15.0	20.0000	150	7	<20
ac238	2,000	3.0	N	10.0	30.0	20.0000	150	10	<20
ac239	2,000	3.0	N	10.0	30.0	15.0000	100	7	<20
ac240	1,500	5.0	N	10.0	30.0	10.0000	100	<5	<20
ac241	2,000	3.0	N	10.0	30.0	30.0000	150	15	<20
ac242	1,500	5.0	N	7.0	20.0	20.0000	150	<5	<20
ac243	2,000	5.0	N	15.0	30.0	30.0000	150	15	<20
ac247	1,500	3.0	N	7.0	10.0	30.0000	100	5	<20
ac246	2,000	3.0	N	10.0	30.0	70.0000	100	7	<20
ac244	1,500	5.0	N	10.0	15.0	30.0000	150	10	<20
ac245	2,000	3.0	N	10.0	15.0	50.0000	100	10	<20
ac248	1,500	3.0	N	7.0	30.0	30.0000	150	10	<20
ac249	1,000	3.0	N	5.0	20.0	30.0000	150	7	<20
ac250	1,500	2.0	N	7.0	30.0	20.0000	150	15	<20
ac251	1,500	3.0	N	7.0	20.0	30.0000	150	7	<20
ac252	1,500	3.0	N	10.0	20.0	30.0000	150	15	<20
ac253	1,500	3.0	N	7.0	30.0	30.0000	150	15	<20
ac254	1,500	7.0	<10	10.0	30.0	70.0000	150	30	<20
ac255	1,500	5.0	30	7.0	30.0	100.0000	150	30	<20
ac256	1,500	3.0	<10	7.0	20.0	30.0000	150	15	<20
ac257	1,000	3.0	N	10.0	30.0	30.0000	150	20	<20
ac258	1,500	3.0	N	7.0	15.0	20.0000	100	15	<20
ac259	1,500	2.0	N	7.0	20.0	15.0000	150	10	<20
ac260	1,500	3.0	N	10.0	20.0	50.0000	150	15	<20
ac261	1,000	3.0	N	7.0	15.0	100.0000	150	20	<20
ac262	1,500	5.0	N	10.0	30.0	50.0000	150	30	<20
ac263	1,500	3.0	N	7.0	20.0	30.0000	150	15	<20
ac264	1,500	3.0	<10	7.0	20.0	70.0000	150	15	<20
ac265	1,500	5.0	<10	7.0	15.0	70.0000	150	20	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac221	15	1,500	15	N	150	100	N	70	500	200
ac222	20	3,000	15	<10	300	150	N	70	500	150
ac223	15	1,500	15	N	200	150	N	70	300	150
ac224	10	1,500	15	N	300	100	N	70	300	150
ac225	15	2,000	15	<10	300	150	N	70	500	150
ac226	10	1,500	15	N	200	100	N	50	300	150
ac227	15	3,000	15	N	300	100	N	70	300	150
ac228	15	3,000	15	N	150	100	N	70	500	150
ac229	10	1,500	15	N	150	100	N	70	500	200
ac230	15	1,500	15	N	300	100	N	70	500	150
ac231	15	1,500	15	N	300	100	N	70	300	150
ac232	10	700	10	N	100	70	N	50	300	70
ac233	7	3,000	15	N	300	100	N	70	700	150
ac234	10	5,000	15	N	300	100	N	70	500	150
ac235	15	1,500	15	N	300	100	50	70	300	150
ac236	10	1,500	15	N	500	100	N	70	300	150
ac237	N	700	15	N	200	70	N	70	300	200
ac238	5	1,500	15	N	300	70	N	70	300	150
ac239	10	1,000	15	N	300	100	N	70	300	200
ac240	15	700	15	N	200	100	N	70	N	150
ac241	7	5,000	15	N	300	100	N	70	500	100
ac242	7	1,500	15	N	150	70	N	70	300	100
ac243	10	2,000	15	<10	300	100	N	70	700	150
ac247	7	1,500	7	N	300	70	N	50	300	100
ac246	15	2,000	15	N	300	70	N	70	500	150
ac244	7	2,000	15	N	300	70	N	70	500	150
ac245	10	2,000	15	N	300	70	N	50	700	150
ac248	15	1,500	15	N	300	100	N	70	500	200
ac249	7	700	7	N	100	70	N	50	300	150
ac250	15	700	15	N	300	100	N	70	300	150
ac251	10	1,000	15	N	300	100	N	50	300	150
ac252	7	1,500	10	N	300	70	N	70	300	200
ac253	10	2,000	15	N	300	70	N	70	700	200
ac254	10	1,500	15	N	300	100	N	70	700	150
ac255	7	1,500	15	N	500	70	N	70	700	150
ac256	5	700	10	N	300	70	N	70	500	200
ac257	15	500	15	N	500	70	N	70	700	150
ac258	10	500	15	N	300	70	N	50	500	150
ac259	15	700	15	N	300	70	N	70	300	150
ac260	10	1,000	15	N	300	100	N	70	700	150
ac261	7	700	10	N	300	70	N	70	500	150
ac262	15	700	15	N	700	70	N	70	700	150
ac263	15	700	10	N	300	70	N	70	300	150
ac264	10	1,500	15	N	300	70	N	70	300	150
ac265	7	2,000	15	N	200	70	N	70	700	200

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac266	3,814	2,598	10.0	1.50	.50	.30	>5,000.00	5.0	100.00
ac267	3,838	2,610	7.0	1.50	.30	.20	>5,000.00	2.0	70.00
ac268	3,861	2,615	5.0	1.50	.70	.50	5,000.00	1.5	200.00
ac269	3,900	2,648	5.0	1.50	.30	.30	>5,000.00	1.5	70.00
ac270	3,917	2,659	5.0	1.50	.30	.50	>5,000.00	.5	100.00
ac271	3,937	2,675	5.0	.70	.70	.20	3,000.00	<.5	150.00
ac272	3,955	2,688	7.0	1.50	.70	.30	5,000.00	.5	100.00
ac273	3,976	2,703	7.0	1.50	.70	.20	>5,000.00	1.5	100.00
ac274	4,000	2,711	7.0	1.50	.70	.50	>5,000.00	1.5	150.00
ac275	4,027	2,720	5.0	1.50	.30	.30	>5,000.00	3.0	100.00
ac276	4,049	2,708	10.0	1.50	.70	.50	>5,000.00	5.0	150.00
ac277	4,068	2,703	7.0	1.50	.30	.30	>5,000.00	3.0	100.00
ac278	4,014	2,887	7.0	2.00	.50	.50	>5,000.00	3.0	100.00
ac279	3,998	2,860	5.0	1.50	.30	.50	>5,000.00	1.5	100.00
ac280	3,990	2,826	5.0	1.50	.50	.30	>5,000.00	1.5	150.00
ac281	3,982	2,790	10.0	1.50	.30	.70	>5,000.00	2.0	70.00
ac283	3,957	2,736	7.0	1.50	.30	.50	>5,000.00	5.0	100.00
ac284	3,942	2,717	7.0	1.50	.50	.30	>5,000.00	1.0	100.00
ac285	3,920	2,691	7.0	.70	.70	.20	3,000.00	<.5	70.00
ac286	3,893	2,672	7.0	1.50	.70	.30	>5,000.00	3.0	100.00
ac287	3,875	2,660	7.0	2.00	.70	.30	>5,000.00	5.0	150.00
ac288	3,817	2,695	5.0	1.50	.30	.30	>5,000.00	3.0	70.00
ac289	3,791	2,695	7.0	1.50	.30	.30	>5,000.00	3.0	100.00
ac290	3,770	2,691	10.0	1.50	2.00	.30	>5,000.00	3.0	100.00
ac291	3,750	2,684	5.0	2.00	.50	.30	>5,000.00	7.0	100.00
ac292	3,727	2,680	7.0	2.00	.30	.50	>5,000.00	2.0	150.00
ac293	3,806	2,735	10.0	1.50	.50	.70	5,000.00	1.0	150.00
ac294	3,737	2,790	7.0	2.00	.70	.50	>5,000.00	5.0	150.00
ac295	3,679	2,838	7.0	1.50	.30	.30	>5,000.00	1.5	100.00
ac296	3,905	2,255	10.0	2.00	.70	.30	>5,000.00	7.0	150.20
ac297	3,921	2,255	10.0	2.00	.70	.50	>5,000.00	5.0	150.00
ac299	3,952	2,372	7.0	1.50	.50	.30	>5,000.00	<.5	100.00
ac300	3,924	2,366	10.0	2.00	.70	.70	>5,000.00	2.0	100.00
ac301	3,901	2,363	7.0	2.00	.70	.50	>5,000.00	5.0	150.00
ac302	3,883	2,364	7.0	2.00	.70	.50	>5,000.00	3.0	150.00
ac303	3,724	2,699	5.0	1.50	.70	.15	>5,000.00	1.0	50.00
ac304	3,737	2,710	7.0	2.00	.50	.50	>5,000.00	5.0	150.00
ac305	3,753	2,723	7.0	2.00	.15	.50	>5,000.00	5.0	150.00
ac306	3,775	2,733	10.0	2.00	1.00	.50	>5,000.00	5.0	150.00
ac307	3,696	2,713	7.0	3.00	.70	.30	>5,000.00	10.0	100.00
ac308	3,708	2,737	10.0	2.00	.50	.70	>5,000.00	5.0	150.00
ac309	3,726	2,752	7.0	2.00	.30	.30	>5,000.00	5.0	150.00
ac310	3,754	2,750	10.0	1.50	.50	.70	>5,000.00	3.0	150.00
ac311	3,845	2,729	10.0	1.50	.50	.30	>5,000.00	1.0	150.00
ac312	3,850	2,753	15.0	1.50	.30	.30	5,000.00	<.5	150.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac266	1,500	3.0	20	7.0	20.0	70.0000	100	20	<20
ac267	1,500	5.0	N	7.0	15.0	50.0000	150	20	<20
ac268	2,000	3.0	N	15.0	50.0	70.0000	150	10	<20
ac269	3,000	3.0	N	7.0	20.0	70.0000	150	20	<20
ac270	2,000	3.0	N	7.0	30.0	50.0000	150	15	<20
ac271	1,500	5.0	N	5.0	10.0	30.0000	150	15	<20
ac272	3,000	3.0	N	7.0	50.0	30.0000	150	10	<20
ac273	2,000	3.0	N	7.0	15.0	30.0000	150	15	<20
ac274	3,000	3.0	N	7.0	70.0	30.0000	150	20	<20
ac275	3,000	3.0	N	7.0	30.0	30.0000	150	30	<20
ac276	3,000	3.0	N	7.0	70.0	50.0000	150	30	<20
ac277	3,000	5.0	N	5.0	70.0	50.0000	150	50	<20
ac278	3,000	5.0	N	7.0	30.0	50.0000	150	30	<20
ac279	3,000	3.0	N	5.0	20.0	30.0000	150	15	<20
ac280	3,000	2.0	N	7.0	30.0	30.0000	100	10	<20
ac281	3,000	7.0	N	7.0	20.0	15.0000	150	30	<20
ac283	3,000	5.0	N	10.0	20.0	30.0000	150	30	<20
ac284	1,500	3.0	N	7.0	30.0	30.0000	100	15	<20
ac285	1,500	2.0	N	5.0	<10.0	20.0000	150	10	<20
ac286	3,000	2.0	N	7.0	20.0	30.0000	150	30	<20
ac287	3,000	5.0	N	15.0	70.0	70.0000	150	50	<20
ac288	3,000	3.0	N	7.0	30.0	70.0000	150	30	<20
ac289	3,000	3.0	N	7.0	20.0	70.0000	150	30	<20
ac290	2,000	5.0	N	7.0	30.0	70.0000	150	7	<20
ac291	3,000	3.0	N	10.0	50.0	100.0000	150	20	5
ac292	3,000	3.0	N	7.0	30.0	100.0000	150	10	<20
ac293	2,000	3.0	N	5.0	30.0	50.0000	150	15	5
ac294	5,000	3.0	N	15.0	30.0	150.0000	200	30	<20
ac295	3,000	3.0	N	7.0	15.0	70.0000	150	15	<20
ac296	3	10.0	N	70.0	70.0	150.0000	30	10	<20
ac297	3,000	3.0	N	15.0	30.0	50.0000	150	10	<20
ac299	1,500	3.0	N	10.0	30.0	20.0000	100	<5	<20
ac300	2,000	3.0	N	15.0	30.0	30.0000	150	7	<20
ac301	3,000	3.0	N	15.0	30.0	70.0000	150	20	<20
ac302	3,000	5.0	N	15.0	30.0	70.0000	150	20	<20
ac303	2,000	5.0	N	7.0	<10.0	50.0000	100	5	<20
ac304	3,000	5.0	N	10.0	20.0	100.0000	150	20	<20
ac305	3,000	3.0	N	7.0	<10.0	70.0000	150	20	<20
ac306	3,000	7.0	N	5.0	<10.0	70.0000	150	30	<20
ac307	5,000	3.0	N	15.0	30.0	150.0000	150	30	<20
ac308	5,000	5.0	N	15.0	30.0	200.0000	150	20	<20
ac309	3,000	5.0	N	10.0	10.0	150.0000	150	30	<20
ac310	3,000	7.0	N	7.0	30.0	70.0000	150	30	<20
ac311	2,000	3.0	N	7.0	20.0	30.0000	100	15	<20
ac312	1,500	5.0	N	30.0	15.0	150.0000	10	<5	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac266	7	1,000	15	N	300	70	N	70	700	150
ac267	10	100	15	N	300	70	N	70	500	200
ac268	15	1,500	15	N	500	100	N	70	700	200
ac269	5	1,500	15	N	300	70	N	70	300	200
ac270	7	1,500	15	N	200	100	N	100	N	300
ac271	7	1,500	15	N	300	70	N	70	N	300
ac272	10	1,000	20	N	300	70	N	70	N	300
ac273	7	3,000	15	N	200	70	N	70	500	200
ac274	7	3,000	20	N	500	100	N	100	N	500
ac275	10	7,000	15	<10	200	70	N	70	500	300
ac276	7	7,000	20	N	1,500	100	N	150	500	200
ac277	N	7,000	20	N	500	70	N	70	300	300
ac278	N	5,000	20	N	1,500	70	N	70	500	300
ac279	N	3,000	15	N	300	70	N	70	300	300
ac280	7	3,000	15	N	300	70	N	70	300	150
ac281	N	1,500	30	N	1,000	70	N	70	700	300
ac283	N	2,000	15	10	700	70	N	100	500	300
ac284	N	1,500	15	<10	200	100	N	70	N	300
ac285	N	1,500	15	N	200	70	N	70	N	300
ac286	10	1,500	15	N	300	70	N	70	300	200
ac287	15	2,000	20	N	1,000	150	N	70	300	300
ac288	N	3,000	15	N	300	100	N	70	500	300
ac289	N	1,500	15	N	300	100	N	70	300	300
ac290	10	3,000	15	N	300	100	N	70	500	300
ac291	<5	7,000	15	N	300	150	N	70	700	500
ac292	<5	200	15	<10	200	100	N	70	300	300
ac293	<5	1,500	15	10	200	100	N	70	N	300
ac294	5	3,000	15	N	300	100	N	70	500	300
ac295	10	700	15	<10	100	70	N	70	300	200
ac296	10	3,000	15	10	300	70	N	70	700	300
ac297	15	1,500	15	N	300	100	N	70	700	200
ac299	10	1,000	10	N	100	70	N	30	300	150
ac300	15	3,000	15	N	200	100	N	70	500	300
ac301	15	7,000	15	N	300	100	N	70	700	300
ac302	15	7,000	15	N	300	100	N	70	500	300
ac303	5	7,000	10	N	100	70	N	50	300	100
ac304	10	7,000	15	15	200	150	N	70	300	200
ac305	<5	7,000	15	15	200	70	N	50	300	200
ac306	<5	15,000	15	N	150	150	N	70	500	300
ac307	15	7,000	10	N	300	100	N	50	300	150
ac308	15	7,000	15	N	1,000	100	N	70	200	300
ac309	<5	10,000	15	N	300	70	N	70	200	200
ac310	5	7,000	15	N	700	100	N	70	300	300
ac311	10	1,500	15	<10	300	100	N	70	300	200
ac312	<0	1,500	15	N	300	100	N	70	200	300

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac313	3,870	2,771	7.0	1.00	.30	.30	3,000.00	<.5	100.00
ac314	3,886	2,787	10.0	1.00	.70	.50	1,500.00	<.5	100.00
ac315	3,902	2,809	7.0	3.00	.50	1.00	>5,000.00	3.0	150.00
ac316	3,910	2,828	7.0	2.00	.70	.70	>5,000.00	2.0	150.00
ac317	3,914	2,852	7.0	1.00	.30	.50	2,000.00	1.0	150.00
ac318	3,919	2,876	5.0	.70	1.00	.20	3,000.00	.5	70.15
ac319	3,925	2,901	7.0	2.00	.70	.30	>5,000.00	3.0	100.00
ac320	3,933	2,922	10.0	2.00	.70	.70	3,000.00	1.5	150.00
ac321	3,937	2,945	3.0	1.50	.70	.50	3,000.00	<.5	70.30
ac322	3,904	2,921	7.0	1.50	.50	.30	2,000.00	.7	100.00
ac323	3,888	2,938	10.0	1.50	.70	.70	3,000.00	1.5	100.00
ac324	3,871	2,956	7.0	1.50	.50	.70	3,000.00	1.5	200.00
ac325	3,855	2,972	3.0	1.50	.30	.50	3,000.00	1.5	200.00
ac326	3,839	2,990	5.0	.70	.30	.50	3,000.00	1.0	200.00
ac327	3,822	3,008	3.0	.70	.30	.30	1,500.00	1.0	200.00
ac328	3,805	3,026	7.0	.70	.70	.30	1,500.00	1.0	200.00
ac329	3,788	3,045	7.0	1.00	.50	.50	1,500.00	.7	200.00
ac330	3,839	2,851	5.0	1.00	.50	.30	3,000.00	1.5	100.00
ac331	3,870	2,869	7.0	1.00	.30	.50	3,000.00	1.5	150.00
ac332	3,852	2,887	7.0	.70	.30	.70	2,000.00	1.0	150.00
ac333	3,836	2,905	7.0	.70	.30	.70	1,500.00	<.5	200.00
ac334	3,818	2,920	7.0	.70	.30	.70	1,500.00	<.5	200.00
ac335	3,805	2,939	7.0	.70	.30	.50	1,500.00	.5	200.00
ac336	3,787	2,955	7.0	1.50	.30	.70	3,000.00	1.5	150.00
ac337	3,769	2,973	5.0	.70	.30	.70	1,500.00	<.5	200.00
ac338	3,753	2,990	7.0	1.00	.50	.70	1,500.00	<.5	200.00
ac339	3,733	3,004	7.0	.15	.70	.70	3,000.00	.5	200.00
ac340	3,716	3,023	7.0	.70	.50	.20	3,000.00	<.5	200.00
ac341	3,654	2,993	7.0	.70	.50	.50	1,500.00	<.5	300.00
ac342	3,670	2,983	7.0	.70	.30	.70	1,500.00	<.5	200.00
ac343	3,688	2,967	7.0	1.00	.70	.70	2,000.00	.7	150.00
ac344	3,705	2,953	7.0	.70	.50	.70	1,500.00	.5	100.00
ac345	3,725	2,934	7.0	1.00	.50	.70	3,000.00	1.0	150.00
ac346	3,741	2,921	7.0	1.50	.50	.70	3,000.00	1.5	150.00
ac347	3,759	2,905	7.0	1.00	.30	.70	2,000.00	1.5	150.00
ac348	3,775	2,888	5.0	1.50	.30	.50	1,500.00	.5	150.00
ac349	3,796	2,873	5.0	.70	.30	.70	1,500.00	<.5	150.00
ac350	3,811	2,857	5.0	.70	.30	.70	1,500.00	.5	150.00
ac351	3,830	2,836	7.0	1.50	.30	.30	2,000.00	.5	150.00
ac352	3,848	2,823	5.0	1.50	.50	.20	3,000.00	<.5	100.00
ac353	3,872	2,806	5.0	.70	.30	.15	1,500.00	<.5	100.00
ac363	3,898	2,147	5.0	.30	.20	.30	1,000.00	.5	70.00
ac364	3,910	2,132	3.0	.30	.30	.30	700.00	<.5	50.00
ac365	3,908	2,118	3.0	.50	.30	.30	1,500.00	.5	70.00
ac366	3,910	2,103	3.0	.30	.15	.30	1,000.00	<.5	70.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac313	2,000	3.0	N	<5.0	10.0	15.0000	150	7	<20
ac314	2,000	3.0	N	5.0	30.0	30.0000	150	7	<20
ac315	3,000	7.0	N	10.0	20.0	30.0000	100	15	<20
ac316	3,000	3.0	N	15.0	30.0	50.0000	150	20	<20
ac317	2,000	3.0	N	5.0	20.0	30.0000	150	5	<20
ac318	3	5.0	N	10.0	20.0	100.0000	5	5	<20
ac319	3,000	3.0	N	7.0	30.0	30.0000	100	30	<20
ac320	3,000	5.0	N	7.0	50.0	50.0000	150	20	<20
ac321	5	7.0	N	30.0	15.0	150.0000	15	10	<20
ac322	2,000	3.0	N	5.0	30.0	30.0000	150	10	<20
ac323	2,000	3.0	N	10.0	50.0	30.0000	100	20	<20
ac324	2,000	3.0	N	10.0	70.0	20.0000	100	15	<20
ac325	2,000	3.0	N	7.0	30.0	15.0000	100	15	<20
ac326	1,500	5.0	N	7.0	50.0	15.0000	100	10	<20
ac327	1,500	3.0	N	5.0	50.0	15.0000	100	15	<20
ac328	2,000	3.0	N	7.0	30.0	20.0000	150	5	<20
ac329	2,000	3.0	N	7.0	30.0	20.0000	100	5	<20
ac330	2,000	3.0	N	7.0	20.0	15.0000	150	10	<20
ac331	2,000	3.0	N	7.0	30.0	20.0000	150	15	<20
ac332	2,000	3.0	N	7.0	30.0	15.0000	150	10	<20
ac333	1,500	3.0	N	7.0	30.0	20.0000	150	5	<20
ac334	2,000	5.0	N	7.0	20.0	15.1505	20	5	<20
ac335	2,000	3.0	N	7.0	30.0	20.0000	100	5	<20
ac336	2,000	5.0	N	7.0	100.0	15.0000	150	7	<20
ac337	1,500	3.0	N	7.0	100.0	30.0000	100	5	<20
ac338	1,500	2.0	N	7.0	70.0	30.0000	100	5	<20
ac339	1,500	3.0	N	7.0	70.0	50.0000	150	7	<20
ac340	1,500	3.0	N	5.0	20.0	30.0000	100	<5	<20
ac341	1,500	3.0	N	7.0	70.0	30.0000	100	5	<20
ac342	1,500	3.0	N	5.0	70.0	20.0000	100	5	<20
ac343	2,000	3.0	N	5.0	50.0	30.0000	150	5	30
ac344	2,000	5.0	N	7.0	70.0	30.0000	150	7	<20
ac345	1,500	5.0	N	7.0	50.0	30.0000	150	5	<20
ac346	1,500	5.0	N	7.0	70.0	30.0000	100	15	<20
ac347	1,500	3.0	N	5.0	30.0	20.0000	150	10	<20
ac348	1,500	5.0	N	7.0	50.0	30.0000	100	7	<20
ac349	1,500	3.0	N	7.0	70.0	30.0000	150	7	<20
ac350	1,500	3.0	N	7.0	100.0	30.0000	150	7	<20
ac351	1,500	5.0	N	5.0	30.0	30.0000	150	20	<20
ac352	1,500	3.0	N	5.0	20.0	30.0000	100	15	<20
ac353	1,000	5.0	N	N	<10.0	30.0000	100	7	<20
ac363	700	2.0	N	5.0	20.0	30.0000	70	20	<20
ac364	700	2.0	N	5.0	15.0	15.0000	70	20	<20
ac365	1,000	2.0	N	5.0	15.0	15.0000	70	15	<20
ac366	700	2.0	N	<5.0	10.0	20.0000	70	15	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac313	<5	1,500	15	N	300	70	N	70	N	300
ac314	20	1,500	20	N	300	70	N	150	N	500
ac315	20	1,500	15	N	300	150	N	70	1,500	700
ac316	15	700	15	N	300	100	N	70	N	300
ac317	15	300	15	N	200	150	N	70	N	300
ac318	5	200	10	N	150	70	N	30	N	500
ac319	15	700	15	N	300	100	N	70	300	300
ac320	20	1,000	20	N	300	150	N	100	N	500
ac321	10	500	15	N	300	100	N	100	N	300
ac322	10	500	15	N	300	70	N	70	N	500
ac323	20	300	15	N	300	150	N	70	N	500
ac324	20	300	15	N	200	150	N	70	N	300
ac325	15	300	15	N	200	100	N	70	N	300
ac326	20	300	15	N	200	150	N	70	N	500
ac327	15	200	15	N	200	100	N	50	N	300
ac328	20	300	15	N	300	100	N	70	N	300
ac329	15	20	15	N	300	150	N	70	N	500
ac330	10	300	15	N	300	100	N	100	N	300
ac331	20	300	15	N	300	150	N	100	N	500
ac332	15	300	15	N	300	150	N	70	N	300
ac333	20	200	15	N	300	150	N	70	N	300
ac334	20	200	15	N	300	150	N	100	N	500
ac335	15	300	15	N	200	150	N	100	N	300
ac336	30	700	15	N	300	150	N	100	N	500
ac337	15	200	15	N	200	150	N	70	N	700
ac338	15	300	15	N	300	150	N	50	N	300
ac339	15	500	15	N	300	150	N	70	N	500
ac340	10	300	10	N	150	70	N	50	N	300
ac341	15	150	15	N	200	100	N	50	N	300
ac342	20	200	15	N	200	100	N	50	N	700
ac343	15	300	15	N	300	100	N	70	N	500
ac344	20	300	15	N	300	150	N	70	N	700
ac345	15	300	15	N	200	150	N	70	N	700
ac346	30	500	15	N	200	150	N	70	N	700
ac347	15	700	15	N	200	100	N	70	N	500
ac348	15	700	15	N	300	150	N	70	N	700
ac349	20	300	15	N	200	150	N	70	N	500
ac350	20	500	15	N	300	150	N	70	N	500
ac351	15	1,000	15	N	300	100	N	70	N	500
ac352	10	1,000	15	N	300	70	N	70	N	300
ac353	10	500	15	N	200	70	N	50	N	300
ac363	N	700	15	<10	100	50	N	30	200	200
ac364	N	700	10	N	150	50	N	30	N	150
ac365	N	700	10	N	200	50	N	50	<200	150
ac366	N	700	7	<10	150	30	N	50	200	150

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac367	3,915	2,067	3.0	.30	.10	.20	500.00	<.5	70.00
ac368	3,942	2,049	3.0	.50	.30	.30	3,000.00	<.5	50.00
ac369	3,923	2,022	3.0	.30	.15	.30	1,000.00	<.5	50.00
ac370	3,919	1,997	3.0	.70	.30	.30	1,000.00	<.5	50.00
ac371	3,920	1,971	3.0	.50	.30	.30	700.00	<.5	70.00
ac372	3,921	1,929	3.0	.30	.20	.20	500.00	<.5	70.00
ac373	3,789	2,000	3.0	.30	.30	.30	500.00	N	50.00
ac374	3,543	2,067	3.0	.70	.30	.30	3,000.00	<.5	70.00
ac375	3,579	1,998	3.0	.50	.30	.30	3,000.00	<.5	50.00
ac376	3,700	1,938	3.0	.50	.30	.20	700.00	<.5	50.00
ac377	3,771	1,894	3.0	.70	.30	.30	3,000.00	<.5	50.00
ac378	3,828	1,927	3.0	.30	.30	.30	1,500.00	N	50.00
ac379	3,779	2,079	2.0	.30	.30	.30	700.00	N	50.00
ac380	3,742	2,124	3.0	.30	.20	.50	700.00	<.5	70.00
ac381	3,711	2,190	3.0	.50	.30	.30	700.00	<.5	70.00
ac382	3,707	2,266	3.0	.70	.30	.30	1,500.00	N	70.00
ac383	3,685	2,338	3.0	.70	.30	.20	3,000.00	N	30.00
ac384	3,767	2,319	3.0	.70	.50	.20	>5,000.00	.5	50.00
ac385	3,788	2,339	3.0	.70	.50	.15	>5,000.00	.5	50.00
ac386	3,814	2,351	2.0	.70	.20	.20	300.00	1.5	30.00
ac387	3,634	1,654	2.0	.70	.15	.20	3,000.00	3.0	20.00
ac388	3,594	1,640	3.0	1.00	.20	.20	>5,000.00	3.0	30.00
ac389	3,549	1,646	3.0	.70	.50	.15	1,500.00	<.5	20.00
ac390	3,510	1,644	2.0	.30	.20	.15	700.00	N	15.00
ac391	3,468	1,582	5.0	.70	.20	.20	3,000.00	1.5	20.00
ac392	3,410	1,526	3.0	1.50	2.00	.15	5,000.00	<.5	20.00
ac393	3,330	1,508	5.0	1.50	.30	.30	1,500.00	1.0	15.00
ac394	3,253	1,537	2.0	.70	.20	.30	1,500.00	<.5	20.00
ac395	3,189	1,584	1.5	1.50	.30	.20	1,000.00	N	15.00
ac396	3,124	1,630	1.5	.70	.20	.20	300.00	N	15.00
ac397	3,041	1,628	1.5	.70	.20	.15	700.00	N	30.00
ac398	2,965	1,608	2.0	.70	.15	.20	1,500.00	N	20.00
ac399	2,900	1,561	3.0	.70	.15	.30	700.00	N	20.00
ac400	2,822	1,547	3.0	1.00	.30	.30	3,000.00	N	15.00
ac401	2,742	1,549	2.0	1.00	.50	.20	3,000.00	N	10.00
ac402	2,666	1,516	1.5	.70	.20	.15	2,000.00	N	20.00
ac403	2,615	1,475	1.5	.70	.10	.15	2,000.00	N	30.00
ac405	2,528	1,537	1.5	.70	.07	.15	.15	700.0	<.50
ac406	2,505	1,613	2.0	.70	.10	.15	3,000.00	<.5	30.00
ac407	2,490	1,691	1.5	.70	.20	.15	1,500.00	N	20.00
ac408	2,496	1,770	1.5	.70	.15	.15	300.00	N	10.00
ac409	2,546	1,836	3.0	.70	.30	.30	1,000.00	N	70.00
ac410	2,545	1,919	3.0	.70	.30	.30	500.00	N	70.00
ac411	2,515	1,993	2.0	.50	.30	.20	700.00	N	100.00
ac412	3,885	2,170	3.0	.50	.20	.20	1,500.00	.5	70.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac367	700	N	N	10.0	10.0	70.0000	30	N	<20
ac368	700	2.0	N	7.0	15.0	20.0000	70	15	<20
ac369	1,000	2.0	N	5.0	<10.0	15.0000	70	15	<20
ac370	1,000	2.0	N	7.0	20.0	15.0000	70	15	<20
ac371	1,500	2.0	N	<5.0	15.0	15.0000	70	20	<20
ac372	1,000	2.0	N	<5.0	15.0	30.0000	70	30	<20
ac373	700	2.0	N	<5.0	20.0	15.0000	50	7	<20
ac374	1,000	2.0	N	7.0	20.0	7.0000	70	10	<20
ac375	1,000	2.0	N	5.0	20.0	30.0000	70	5	<20
ac376	700	2.0	N	<5.0	2,030.0	70.0000	5	5	<20
ac377	1,000	2.0	N	<5.0	30.0	20.0000	70	15	<20
ac378	700	2.0	N	5.0	30.2	70.0000	15	5	<20
ac379	700	2.0	N	5.0	30.0	20.0000	50	5	<20
ac380	1,000	2.0	N	<5.0	30.0	7.0000	70	7	<20
ac381	1,500	2.0	N	<5.0	20.0	7.0000	70	10	<20
ac382	1,000	2.0	N	7.0	30.0	15.0000	70	10	<20
ac383	1,000	2.0	N	5.0	20.0	15.0000	70	7	<20
ac384	700	2.0	N	7.0	30.0	30.0000	100	7	<20
ac385	700	2.0	N	7.0	30.0	15.0000	70	7	<20
ac386	1,000	2.0	N	7.0	15.0	20.0000	70	7	<20
ac387	1,000	1.5	N	5.0	10.0	50.0000	100	100	N
ac388	1,500	1.0	N	7.0	15.0	50.0000	100	10	<20
ac389	1,500	1.5	N	7.0	20.0	10.0000	70	5	N
ac390	1,000	1.5	N	<5.0	15.0	15.0000	70	<5	<20
ac391	1,500	1.5	N	7.0	15.0	15.0000	100	7	<20
ac392	1,500	1.0	N	5.0	10.0	7.0000	100	7	<20
ac393	1,500	1.5	N	15.0	150.0	15.0000	70	15	<20
ac394	1,500	1.5	N	5.0	15.0	10.0000	70	10	<20
ac395	1,500	1.0	N	7.0	15.0	7.0000	70	5	<20
ac396	3,000	1.5	N	<5.0	15.0	7.0000	70	5	<20
ac397	1,500	1.5	N	7.0	15.0	7.0000	70	5	<20
ac398	1,500	1.0	N	7.0	15.0	7.0000	70	7	<20
ac399	1,500	1.5	N	<5.0	15.0	10.0000	70	10	<20
ac400	1,500	1.5	N	10.0	50.0	10.0000	70	10	<20
ac401	1,500	1.5	N	7.0	15.0	7.0000	70	10	<20
ac402	1,500	1.5	N	5.0	15.0	10.0000	70	5	<20
ac403	1,500	1.5	N	<5.0	10.0	7.0000	70	10	<20
ac405	50	1,000.0	N	1.5	N	10.0000	5	50	<20
ac406	1,000	1.5	N	7.0	10.0	10.0000	70	5	<20
ac407	1,500	1.5	N	5.0	N	7.0000	70	7	<20
ac408	1,500	1.5	N	N	N	7.0000	70	5	<20
ac409	700	1.5	N	5.0	20.0	30.0000	70	5	<20
ac410	1,000	1.0	N	<5.0	15.0	15.0000	70	7	<20
ac411	700	1.0	N	5.0	10.0	7.0000	70	5	<20
ac412	700	1.5	N	<5.0	10.0	30.0000	70	10	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac367	N	700	7	<10	150	30	N	30	N	200
ac368	<5	700	10	N	200	70	N	50	500	200
ac369	N	500	7	N	150	50	N	30	N	150
ac370	N	700	10	N	200	70	N	30	300	150
ac371	N	700	15	N	300	70	N	30	N	150
ac372	N	500	10	N	200	30	N	30	N	150
ac373	N	150	7	N	150	70	N	20	N	150
ac374	5	300	15	N	300	100	N	50	<200	200
ac375	5	500	10	N	200	70	N	50	200	150
ac376	5	300	7	N	150	70	N	30	N	150
ac377	5	700	15	N	300	70	N	30	<200	200
ac378	5	700	10	N	300	70	N	30	N	200
ac379	5	150	7	N	150	70	N	30	N	200
ac380	<5	700	7	N	150	70	N	30	N	200
ac381	5	300	7	N	300	70	N	30	N	200
ac382	7	300	10	N	150	70	N	30	N	150
ac383	7	700	7	N	100	70	N	30	N	150
ac384	7	1,500	15	N	150	70	N	50	300	150
ac385	7	300	7	N	150	70	N	30	300	100
ac386	<5	700	7	N	150	50	N	30	200	150
ac387	N	7,000	7	N	150	30	N	20	300	100
ac388	<5	3,000	7	N	150	70	N	30	300	100
ac389	7	700	7	N	150	70	N	30	300	150
ac390	N	300	7	N	100	30	N	20	N	100
ac391	5	300	10	N	150	50	N	30	300	150
ac392	N	200	10	30	200	70	N	50	200	100
ac393	30	150	7	N	100	70	<50	30	N	150
ac394	N	150	10	N	150	70	N	30	N	100
ac395	N	150	10	N	100	50	N	30	N	70
ac396	<5	70	7	N	150	50	N	30	N	70
ac397	5	200	7	N	150	70	N	30	N	50
ac398	<5	150	7	N	150	70	N	30	N	30
ac399	N	150	15	N	700	70	N	30	N	70
ac400	15	300	10	N	300	70	N	30	N	50
ac401	N	150	10	N	150	70	N	30	N	50
ac402	N	300	10	N	150	70	N	30	N	30
ac403	N	700	5	N	200	50	N	30	<200	50
ac405	30	3,000	10	N	100	50	N	15	N	70
ac406	N	1,000	7	N	150	50	N	30	200	30
ac407	N	300	7	N	100	50	N	20	N	50
ac408	N	300	5	N	100	50	N	30	N	30
ac409	7	150	7	N	100	70	N	30	N	150
ac410	5	100	7	N	100	70	N	30	N	150
ac411	N	70	7	N	100	50	N	20	N	150
ac412	N	700	10	N	100	30	N	30	300	150

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	x	y	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s
ac413	3,860	2,203	3.0	.70	.50	.30	5,000.00	1.5	50.00
ac414	3,854	2,243	3.0	.50	.30	.30	3,000.00	1.0	30.00
ac415	3,836	2,280	2.0	.70	.30	.30	3,000.00	1.5	30.00
ac416	3,831	2,315	2.0	.50	.30	.30	3,000.00	1.5	50.00

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M.detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
ac413	700	1.5	N	7.0	30.0	50.0000	70	7	<20
ac414	1,000	1.5	N	<5.0	15.0	30.0000	70	5	<20
ac415	700	1.5	N	5.0	10.0	50.0000	70	7	<20
ac416	700	1.5	N	5.0	15.0	50.0000	70	10	<20

Table 3. Analytical data for soil samples collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
ac413	10	700	15	N	150	70	N	50	1,500	150
ac414	<5	700	10	N	150	50	N	50	300	150
ac415	N	500	7	N	150	50	N	30	300	150
ac416	<5	700	7	N	100	70	N	30	300	150

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s	La ppm-s
2	1.0	.15	.07	.10	1,000	.5	N	1,500	N	N	700	30
4	5.0	.30	.15	.30	3,000	1.5	150	1,000	N	7	150	50
6	2.0	.20	.15	.30	1,500	.7	100	700	N	5	70	30
7	1.0	.15	.05	.10	1,000	.5	N	1,500	N	N	700	30
8	1.0	.15	<.05	.10	700	<.5	<10	1,500	N	N	200	30
9	1.0	.15	<.05	.15	300	<.5	N	1,500	N	N	150	50
10	1.0	.15	<.05	.15	7,000	1.5	20	1,500	N	N	150	20
11	1.5	.15	<.05	.15	300	<.5	20	1,500	N	N	70	30
12	1.0	.20	<.05	.15	200	N	20	1,500	N	N	70	20
13	1.0	.15	<.05	.10	300	<.5	N	1,500	N	N	30	30
14	1.0	.20	<.05	.10	1,500	1.5	20	1,500	N	N	50	30
15	1.0	.30	<.05	.07	1,500	1.0	15	1,500	N	N	50	30
16	1.0	.15	<.05	.07	200	<.5	10	1,500	N	N	15	20
17	1.0	.15	<.05	.10	150	N	15	1,500	N	N	15	30
18	1.0	.20	<.05	.07	150	N	10	1,500	N	N	15	20
19	1.0	.20	<.05	.10	150	N	15	1,500	N	N	15	30
20	1.0	.30	<.05	.15	700	<.5	15	1,500	N	N	30	30
21	1.0	.20	<.05	.15	700	<.5	15	1,500	N	N	15	30
22	1.0	.20	<.05	.15	300	<.5	15	1,500	N	N	7	30
23	1.0	.30	<.05	.10	200	<.5	10	1,500	N	N	10	20
24	1.0	.20	<.05	.07	300	<.5	15	1,500	N	N	10	30
25	1.0	.20	<.05	.10	300	<.5	10	1,500	N	N	15	30
26	1.0	.20	<.05	.10	700	<.5	15	1,500	N	N	20	20
27	1.0	.20	<.05	.07	1,000	.5	15	1,500	N	N	30	20
28	1.0	.20	<.05	.10	150	.5	15	1,500	N	N	15	20
29	1.0	.30	<.05	.15	300	1.5	70	2,000	N	N	30	30
30	1.0	.30	<.05	.15	700	1.5	70	3,000	N	N	30	30
31	1.0	.20	<.05	.15	500	1.5	50	1,500	N	N	30	20
32	1.0	.30	<.05	.15	300	1.5	70	3,000	N	N	30	50
33	1.0	.30	<.05	.15	300	1.5	70	1,500	N	N	30	30
34	1.0	.30	<.05	.15	300	1.0	100	1,500	N	N	30	30
35	1.0	.20	<.05	.07	150	1.0	70	1,500	N	N	30	30
36	1.0	.30	.05	.15	200	2.0	150	2,000	N	N	30	30
37	1.0	.30	<.05	.15	>5,000	5.0	150	1,500	<10	15	150	50
38	1.0	.30	<.05	.15	3,000	2.0	150	1,500	N	5	70	70
39	1.0	.30	.05	.15	1,500	.5	70	1,500	N	<5	50	30
40	1.0	.30	.05	.15	1,500	1.0	70	1,500	N	N	70	20
41	1.0	.30	.05	.15	500	1.0	70	1,500	N	N	70	30
42	1.0	.30	.05	.15	300	2.0	50	1,500	N	N	30	30
43	1.0	.30	<.05	.15	300	3.0	100	2,000	N	N	70	30
44	1.0	.30	<.05	.15	1,500	3.0	70	2,000	N	N	30	30
45	1.0	.30	<.05	.10	500	3.0	70	1,500	N	N	30	30
46	1.0	.30	<.05	.15	300	1.5	100	1,500	N	N	30	30
47	1.0	.30	<.05	.15	200	1.0	100	2,000	N	N	50	50
48	1.0	.30	.05	.15	300	1.5	100	1,500	N	N	70	50

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
2	5	N	300	7	N	<100	30	30	200	150
4	15	15	700	7	N	150	50	50	300	300
6	15	5	300	5	N	150	30	30	<200	300
7	5	N	300	5	<10	<100	<10	15	N	150
8	7	N	300	5	N	<100	<10	20	N	150
9	5	N	300	7	N	<100	<10	20	N	150
10	15	N	700	5	N	<100	<10	20	N	150
11	5	N	300	5	N	<100	<10	30	N	150
12	<5	N	300	7	N	<100	<10	30	N	100
13	5	N	300	5	N	<100	<10	15	N	70
14	7	N	700	7	N	<100	<10	20	N	150
15	7	N	300	7	N	<100	<10	20	N	150
16	5	N	300	5	N	<100	<10	20	N	150
17	5	N	300	5	N	<100	<10	30	N	150
18	5	N	300	5	N	<100	<10	15	N	70
19	5	N	300	5	N	<100	<10	15	N	150
20	7	N	300	7	N	<100	10	30	N	150
21	7	N	300	7	N	<100	<10	30	N	200
22	<5	N	200	7	N	<100	<10	20	N	100
23	5	N	150	5	N	<100	<10	20	N	100
24	<5	N	200	5	N	<100	<10	20	N	150
25	5	N	300	5	N	<100	<10	20	N	150
26	5	N	300	5	N	<100	<10	20	N	150
27	30	N	700	5	N	<100	<10	20	<200	150
28	20	N	300	5	N	<100	<10	15	N	150
29	30	N	500	7	N	<100	10	20	N	150
30	100	N	1,500	7	N	<100	<10	30	N	150
31	70	N	700	5	N	<100	<10	20	N	150
32	150	N	1,500	7	N	<100	<10	30	N	150
33	70	N	700	7	N	<100	<10	30	N	150
34	70	N	700	7	N	<100	<10	20	N	150
35	30	N	500	5	N	<100	<10	15	N	150
36	70	N	700	7	N	<100	<10	30	N	150
37	100	N	15,000	7	N	<100	50	70	300	200
38	15	N	7,000	7	N	<100	20	30	300	150
39	15	N	1,500	5	N	<100	15	15	<200	150
40	50	N	1,500	7	N	<100	30	20	200	150
41	5	N	1,500	7	N	<100	30	20	300	100
42	10	N	1,000	7	N	<100	30	15	200	150
43	20	<5	1,500	7	N	<100	30	20	300	150
44	30	N	1,500	7	N	<100	30	15	300	150
45	150	N	700	5	N	<100	10	20	200	100
46	100	<5	700	7	N	<100	30	15	300	150
47	100	<5	1,000	5	N	<100	20	15	300	150
48	70	<5	700	7	N	<100	20	15	700	150

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s	La ppm-s
49	1.0	.30	<.05	.15	700	3.0	150	1,500	N	N	70	30
50	1.5	.30	<.05	.15	700	3.0	100	1,500	N	N	70	50
51	1.5	.30	<.05	.15	300	3.0	100	1,500	N	N	70	50
52	1.0	.15	<.05	.15	300	2.0	70	2,000	N	N	100	50
53	1.0	.20	.05	.15	150	2.0	70	1,500	N	N	70	50
54	1.0	.30	<.05	.15	100	2.0	50	1,500	N	N	50	30
55	1.0	.15	<.05	.15	100	2.0	50	1,500	N	N	15	70
56	1.0	.30	.05	.15	300	3.0	50	2,000	N	N	30	70
57	1.0	.20	<.05	.15	300	3.0	70	2,000	N	N	15	30
58	1.0	.20	.05	.15	1,500	3.0	70	2,000	N	N	70	70
59	1.0	.20	.05	.15	200	2.0	50	2,000	N	N	70	50
60	1.0	.15	.05	.15	150	3.0	30	2,000	N	N	50	50
61	1.0	.15	<.05	.15	500	3.0	30	3,000	N	N	50	50
62	1.5	.15	.05	.15	1,000	3.0	50	3,000	N	N	70	100
63	1.0	.15	.05	.15	100	3.0	30	2,000	N	N	30	50
64	1.0	.20	.05	.15	150	3.0	50	3,000	N	N	70	70
65	1.0	.20	.05	.15	500	3.0	50	2,000	N	N	70	70
66	1.0	.15	.05	.10	300	3.0	50	2,000	N	N	70	50
67	1.0	.15	.05	.15	300	3.0	30	1,500	N	N	50	70
68	1.0	.20	.05	.15	500	3.0	50	3,000	N	N	70	100
69	1.0	.30	.05	.15	300	5.0	50	2,000	N	N	50	70
70	1.0	.30	.05	.15	300	2.0	30	2,000	N	N	50	70
71	1.0	.30	.05	.15	150	3.0	50	3,000	N	N	70	70
72	1.0	.20	.05	.15	200	3.0	50	3,000	N	N	70	50
73	1.0	.20	<.05	.15	700	3.0	50	3,000	N	5	150	100
74	1.0	.30	<.05	.15	200	3.0	50	3,000	N	N	50	70
75	2.0	.15	.05	.15	150	3.0	70	1,000	N	N	70	70
76	2.0	.15	.07	.10	150	2.0	30	700	N	N	100	70
77	3.0	.15	.07	.15	300	3.0	50	1,000	N	N	70	70
78	1.0	.10	<.05	.07	700	1.5	50	500	N	N	70	30
79	1.5	.15	.05	.15	500	5.0	30	700	N	N	70	70
80	2.0	.15	.07	.15	150	5.0	50	1,000	N	5	50	70
81	1.5	.10	<.05	.15	150	3.0	70	1,000	N	N	150	70
82	3.0	.10	<.05	.15	700	10.0	100	50	<10	N	150	50
83	1.5	.15	<.05	.20	200	7.0	150	700	<10	N	30	70
84	2.0	.10	<.05	.15	150	3.0	70	500	<10	N	70	70
85	3.0	.15	<.05	.15	100	3.0	70	2,000	N	N	200	70
86	2.0	.30	<.05	.20	150	7.0	100	2,000	<10	N	300	70
87	1.5	.10	<.05	.15	150	2.0	70	700	N	N	150	70
88	1.5	.15	<.05	.20	200	3.0	70	1,000	N	<5	70	50
89	1.5	.15	<.05	.15	300	3.0	70	700	<10	7	20	50
90	7.0	.30	<.05	.15	2,000	3.0	100	700	<10	7	70	50
91	3.0	.30	<.05	.15	>5,000	15.0	150	700	<10	N	70	70
92	5.0	.30	<.05	.15	>5,000	15.0	150	700	10	N	70	70
93	3.0	.30	<.05	.20	700	3.0	100	700	<10	N	30	70

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Aqua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
49	30	5	1,000	7	N	<100	20	50	700	150
50	7	<5	700	7	N	<100	20	30	500	150
51	7	N	700	7	N	<100	20	20	700	150
52	10	N	700	7	N	100	10	20	700	150
53	10	N	700	7	N	100	15	20	300	150
54	7	N	700	7	N	100	20	20	N	70
55	7	<5	300	7	N	100	10	20	200	150
56	5	N	700	7	N	100	15	20	300	100
57	7	N	300	7	N	100	15	30	200	150
58	30	N	2,000	7	N	100	20	20	500	150
59	30	N	700	7	N	100	15	20	500	150
60	30	N	700	7	N	100	15	30	300	150
61	20	N	700	7	N	100	15	50	300	100
62	30	N	1,000	7	N	100	15	30	700	150
63	7	N	700	7	N	100	15	30	500	150
64	30	N	700	7	N	100	15	30	1,500	150
65	10	N	100	7	N	100	15	30	1,500	150
66	10	N	700	7	N	100	20	30	1,500	100
67	50	N	700	7	N	100	15	30	1,500	100
68	7	N	700	7	N	100	15	30	1,500	150
69	7	N	700	7	N	100	15	50	700	70
70	20	N	700	7	N	100	15	20	300	150
71	5	N	1,000	7	N	100	10	30	500	100
72	5	N	700	7	N	100	15	20	1,000	150
73	15	N	1,000	7	N	100	15	30	10,000	150
74	7	N	700	7	N	100	10	30	1,500	150
75	5	N	700	7	N	<100	10	30	3,000	200
76	<5	N	700	5	N	<100	<10	30	3,000	100
77	10	N	1,000	5	N	150	<10	70	1,500	100
78	7	N	1,000	N	N	<100	15	20	1,500	50
79	20	N	700	7	N	200	<10	50	3,000	70
80	7	N	700	7	N	150	<10	30	3,000	150
81	7	<5	300	7	N	<100	<10	30	>10,000	150
82	30	N	3,000	5	N	<100	10	30	>10,000	150
83	15	N	3,000	7	N	<100	10	15	300	150
84	15	N	5,000	5	N	<100	10	15	300	100
85	15	N	5,000	7	N	150	15	30	700	150
86	30	N	2,000	10	N	150	15	30	1,000	150
87	15	N	1,000	7	N	150	<10	20	1,000	150
38	7	N	1,500	7	N	150	10	30	1,500	100
89	5	N	700	7	N	<100	10	15	700	100
90	15	N	1,500	10	N	150	10	70	1,500	150
91	30	N	1,000	7	N	150	15	30	1,500	150
92	30	N	1,500	7	N	<100	15	30	1,500	150
93	10	N	1,500	10	N	<100	10	30	1,500	150

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s	La ppm-s
94	5.0	.15	<.05	.15	700	3.0	70	700	N	N	70	50
95	3.0	.30	<.05	.15	1,000	3.0	100	700	<10	N	50	70
96	3.0	.30	.05	.15	500	5.0	100	1,000	<10	N	100	70
97	1.5	.30	.05	.15	>5,000	3.0	50	700	<10	7	15	30
98	2.0	.15	<.05	.20	3,000	1.0	10	1,000	N	N	10	50
99	1.5	.15	.05	.15	200	1.5	10	1,000	N	N	30	50
100	2.0	.15	<.05	.15	700	1.0	50	1,500	N	N	50	50
101	2.0	.20	<.05	.30	1,500	2.0	30	1,500	N	N	70	70
102	3.0	.20	.05	.30	1,500	3.0	30	1,500	<10	N	70	70
103	5.0	.15	<.05	.20	1,000	3.0	50	1,500	<10	N	50	50
104	7.0	.20	<.05	.20	5,000	10.0	50	1,500	N	7	70	50
105	3.0	.30	.05	.30	1,500	3.0	30	1,500	N	<5	200	50
106	3.0	.30	.07	.30	3,000	3.0	30	1,500	N	<5	70	70
107	3.0	.15	.05	.30	700	3.0	30	1,000	N	N	200	50
108	3.0	.15	.05	.30	1,000	1.0	30	1,000	N	N	70	70
109	2.0	.20	.05	.30	700	1.5	20	1,500	N	N	70	70
110	3.0	.15	.07	.30	1,500	1.5	30	1,500	N	N	50	70
111	2.0	.15	.07	.30	1,500	1.0	20	1,500	N	N	30	70
112	3.0	.15	.05	.20	700	.7	20	1,000	N	N	15	50
113	1.5	.15	.07	.30	700	2.0	30	1,500	N	N	70	70
114	2.0	.30	.05	.20	300	<.5	20	1,500	N	N	15	70
115	3.0	.20	.05	.30	500	3.0	50	1,000	<10	N	15	70
116	3.0	.15	.05	.30	1,000	2.0	30	1,500	N	5	15	70
117	1.5	.15	.05	.20	200	1.0	30	1,000	N	N	15	50
118	2.0	.15	.05	.20	300	2.0	30	1,500	N	N	10	50
119	3.0	.15	.05	.20	500	3.0	30	1,000	<10	N	30	50
120	3.0	.20	<.05	.15	700	3.0	30	1,000	<10	N	30	30
121	3.0	.30	.07	.50	300	3.0	50	1,500	N	N	30	70
122	3.0	.30	.07	.30	700	3.0	30	1,000	N	N	70	70
123	5.0	.30	.07	.20	150	2.0	30	1,500	N	N	70	50
124	3.0	.50	.05	.30	500	3.0	70	1,500	<10	<5	150	70
125	3.0	.30	<.05	.30	300	3.0	70	1,500	N	N	70	150
126	5.0	.30	<.05	.20	150	3.0	70	1,000	N	N	150	100
127	1.5	.30	<.05	.30	150	2.0	100	700	N	N	150	70
128	1.5	.20	<.05	.15	150	5.0	50	1,000	N	N	100	70
129	3.0	.30	.05	.20	1,500	5.0	70	1,000	N	5	150	100
130	1.5	.20	<.05	.30	150	7.0	70	1,500	N	N	70	70
131	2.0	.30	<.05	.30	200	1.5	70	1,500	N	N	30	70
132	3.0	.30	.05	.30	700	1.5	70	1,500	N	N	70	70
133	5.0	.20	.05	.30	500	3.0	70	1,500	N	N	150	100
134	3.0	.15	<.05	.20	100	2.0	50	1,500	N	N	70	100
135	2.0	.20	<.05	.20	700	3.0	70	1,000	N	N	70	70
136	2.0	.20	<.05	.30	300	1.5	70	1,500	N	N	100	100
137	2.0	.30	<.05	.15	500	2.0	50	1,000	N	N	150	70
138	1.5	.30	.05	.15	300	1.5	30	1,000	N	N	70	50

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
94	7	N	700	7	N	150	10	30	1,500	150
95	7	N	1,000	7	N	150	15	30	1,500	150
96	7	N	700	7	N	200	10	50	1,500	200
97	7	N	200	7	N	200	<10	30	1,500	150
98	<5	N	700	5	N	10	15	15	1,500	150
99	<5	N	300	5	N	100	<10	15	3,000	150
100	10	N	50	7	N	100	10	30	3,000	200
101	7	N	300	7	N	100	15	50	3,000	300
102	5	N	300	7	N	100	15	50	2,000	150
103	7	5	200	7	N	100	15	50	1,500	150
104	7	N	300	7	N	100	15	50	1,500	300
105	5	N	300	7	N	100	15	30	1,500	300
106	7	N	300	7	N	100	15	30	2,000	300
107	<5	N	300	7	N	100	15	20	1,500	200
108	<5	N	150	7	N	100	10	30	1,000	200
109	7	N	300	7	N	100	10	30	700	300
110	7	N	150	10	N	100	15	30	700	200
111	5	N	150	7	N	100	15	30	1,000	200
112	<5	N	150	7	N	100	15	20	300	150
113	15	N	150	7	N	100	15	30	700	500
114	5	N	150	7	N	100	10	50	300	150
115	10	N	150	10	N	100	15	30	300	200
116	15	N	150	7	N	100	15	70	700	150
117	7	N	100	7	N	100	15	30	500	200
118	7	N	150	7	N	100	10	20	300	200
119	10	N	300	7	N	100	15	30	700	200
120	7	N	300	5	N	100	10	20	700	150
121	7	N	150	10	N	200	<10	30	700	300
122	15	N	200	10	N	150	15	50	2,000	300
123	<5	N	300	7	N	200	10	30	3,000	150
124	10	N	700	7	N	150	15	50	3,000	300
125	15	N	700	10	N	150	15	50	1,500	300
126	10	N	700	7	10	150	20	30	1,500	300
127	10	N	500	10	N	150	15	20	3,000	200
128	5	N	300	7	N	150	10	30	1,500	200
129	15	N	1,500	7	<10	100	15	30	2,000	300
130	7	N	200	10	N	100	10	30	1,500	300
131	5	N	150	7	N	150	10	50	1,500	300
132	7	N	200	7	N	150	10	50	3,000	300
133	7	N	300	10	<10	200	10	50	1,000	300
134	5	N	300	7	<10	150	10	30	200	300
135	7	N	150	7	N	150	10	20	300	300
136	7	N	300	10	N	150	10	50	700	300
137	5	N	300	7	N	150	10	30	1,500	150
138	5	N	150	7	N	150	<10	20	2,000	200

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s	La ppm-s
139	2.0	.30	.05	.20	500	2.0	30	1,000	N	N	30	50
140	2.0	.15	.05	.15	300	3.0	50	700	N	N	70	50
141	2.0	.30	<.05	.15	300	2.0	70	1,500	N	<5	30	50
142	2.0	.30	<.05	.15	300	2.0	50	700	N	N	150	70
143	1.5	.20	.05	.15	300	1.0	30	700	N	N	20	50
144	2.0	.20	.07	.20	300	1.5	30	1,000	N	N	30	70
145	3.0	.30	.07	.15	700	.5	50	1,000	N	N	15	70
146	1.5	.20	.07	.30	300	<.5	30	700	N	N	15	70
147	2.0	.20	.07	.15	200	2.0	30	700	N	N	70	70
148	3.0	.20	.07	.20	700	1.5	30	700	N	N	70	50
149	2.0	.30	.05	.15	500	.5	50	700	N	N	30	30
150	3.0	.50	<.05	.30	300	<.5	150	1,000	N	N	70	50
151	3.0	.50	<.05	.15	300	<.5	200	1,000	N	N	30	50
152	3.0	.30	<.05	.15	300	.5	150	700	N	N	10	50
153	5.0	.30	<.05	.15	200	.5	150	700	N	N	15	50
154	3.0	.30	.05	.15	500	1.0	150	700	N	10	300	50
155	3.0	.30	.30	.15	700	1.5	70	700	N	<5	150	100
156	5.0	.70	1.50	.30	1,500	<.5	70	700	N	7	200	150
157	2.0	.50	.10	.15	300	N	150	700	N	<5	70	20
158	2.0	.50	.05	.15	700	N	150	1,000	N	5	30	20
159	2.0	.70	.70	.15	1,500	<.5	100	500	N	<5	70	50
160	3.0	1.00	1.50	.15	1,500	<.5	100	300	N	7	150	100
161	2.0	.70	.30	.15	1,000	<.5	100	500	N	7	10	20
162	5.0	.70	1.50	.20	1,500	N	70	500	N	7	150	100
163	3.0	.70	.70	.30	1,500	<.5	100	700	N	7	30	50
164	2.0	.70	.70	.20	1,500	<.5	70	700	N	5	20	50
165	1.5	.70	.30	.15	700	N	70	700	N	<5	<5	50
166	2.0	.70	.07	.15	700	N	70	700	N	7	30	50
167	2.0	.50	.20	.15	700	N	70	700	N	<5	30	70
168	1.5	.70	.50	.15	700	N	70	1,500	N	<5	50	70
169	2.0	.70	3.00	.15	1,500	N	70	1,500	N	<5	150	70
170	2.0	.50	1.50	.20	1,000	<.5	70	700	N	5	30	70
171	3.0	.70	.15	.30	1,000	<.5	70	700	N	5	5	50
172	3.0	.70	.30	.30	700	<.5	70	700	N	5	30	50
173	3.0	.70	.30	.30	1,000	N	70	700	N	<5	5	50
174	2.0	.50	.10	.15	1,500	<.5	70	700	N	5	20	50
175	2.0	.30	.07	.15	500	<.5	70	1,000	N	N	7	50
176	.3	.50	.07	.20	700	<.5	70	1,000	N	7	30	50
177	2.0	.30	.07	.15	300	<.5	70	1,000	N	<5	30	50
178	2.0	.50	.07	.20	700	<.5	70	1,000	N	<5	150	100
179	3.0	.70	.07	.20	700	<.5	70	1,500	N	5	150	70
180	3.0	.50	.07	.15	700	<.5	70	1,000	N	5	150	70
181	2.0	.70	.15	.15	1,000	<.5	70	1,000	N	5	70	70
182	3.0	.70	.30	.15	1,500	<.5	70	700	N	7	100	70
183	3.0	.70	.30	.15	1,500	<.5	70	1,000	N	5	30	50

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Aqua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
139	5	N	150	7	N	150	<10	30	1,500	200
140	5	N	150	7	N	150	<10	30	1,500	150
141	<5	N	150	7	N	150	<10	30	2,000	200
142	<5	N	150	7	N	150	<10	20	3,000	200
143	5	N	150	5	N	150	<10	30	1,500	150
144	7	N	150	10	N	150	10	30	1,500	200
145	5	N	150	7	N	150	10	30	1,500	150
146	7	<5	150	7	N	150	10	30	1,000	300
147	5	N	150	7	N	150	15	30	1,500	150
148	7	N	150	10	N	150	15	30	1,500	200
149	7	N	150	7	N	150	15	20	1,500	150
150	20	<5	300	5	10	200	100	15	<200	150
151	15	N	200	5	10	200	70	10	N	150
152	10	<5	300	5	10	150	70	15	N	150
153	10	5	300	7	<10	200	70	15	N	150
154	7	7	150	7	<10	150	70	15	1,000	150
155	7	<5	200	5	<10	150	70	15	500	150
156	7	10	150	10	<10	150	150	30	1,000	150
157	5	<5	70	5	<10	150	70	15	1,000	150
158	7	<5	70	<5	10	150	70	15	300	100
159	<5	5	70	<5	<10	150	70	15	200	50
160	5	5	150	5	<10	150	70	15	300	70
161	<5	5	150	<5	<10	150	70	15	N	70
162	10	15	70	7	<10	150	150	30	200	150
163	5	7	50	7	<10	150	70	20	N	150
164	7	7	70	5	<10	150	70	15	N	70
165	7	5	15	5	N	150	70	15	N	150
166	5	15	30	5	<10	150	70	15	N	200
167	7	N	70	5	N	150	70	15	<200	150
168	7	N	30	5	N	150	70	15	N	100
169	5	<5	70	5	N	200	70	20	N	100
170	5	5	30	5	N	150	70	20	200	150
171	7	<5	30	7	N	150	70	15	N	200
172	7	5	15	7	N	200	100	20	N	200
173	10	5	15	5	N	150	70	15	N	100
174	5	<5	30	5	N	150	70	10	200	70
175	7	N	30	7	N	200	70	15	N	150
176	7	<5	100	7	N	200	100	15	<200	100
177	7	N	70	5	N	150	70	15	<200	70
178	7	N	70	7	N	150	70	20	300	150
179	7	5	100	7	N	150	70	20	300	150
180	7	N	150	7	N	150	70	15	300	150
181	7	5	70	5	N	150	70	15	200	150
182	7	N	150	7	N	150	70	15	300	150
183	7	<5	50	5	N	150	70	10	200	100

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s	La ppm-s
184	2.0	.70	.70	.15	1,500	<.5	30	700	N	5	30	70
185	1.5	.70	1.50	.10	1,500	<.5	70	1,500	N	<5	100	70
186	1.5	.70	1.00	.15	1,500	<.5	50	1,000	N	<5	70	70
187	1.5	.50	.30	.15	1,500	<.5	30	700	N	N	70	50
188	2.0	.70	.10	.20	1,000	7.0	50	1,000	N	5	70	50
189	3.0	.70	.10	.15	1,000	<.5	30	700	N	5	100	70
190	3.0	.70	1.50	.30	1,500	1.0	50	700	N	7	70	100
191	5.0	1.50	1.50	.30	1,500	<.5	70	700	N	7	30	70
192	5.0	1.00	2.00	.15	1,500	.5	100	700	N	7	20	50
193	5.0	1.00	3.00	.15	1,500	1.5	70	500	N	5	30	50
194	5.0	.70	1.50	.30	700	7.0	150	700	10	7	300	50
195	.7	.15	1.50	.20	700	.5	70	300	N	N	100	20
196	5.0	1.00	3.00	.15	1,500	1.5	70	500	N	5	30	50
197	.7	.30	1.50	.20	700	N	100	700	N	N	5	50
198	.7	.30	.70	.30	300	N	100	700	N	N	<5	100
199	.7	.15	.70	.30	300	N	70	700	N	N	<5	100
200	.7	.15	1.50	.30	500	N	100	700	N	N	50	100

Table 4a. Analytical data for drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
184	7	<5	50	7	N	150	50	15	<200	200
185	7	<5	100	5	N	200	50	15	200	30
186	10	<5	100	5	N	200	50	15	200	50
187	7	7	150	5	N	150	50	10	<200	30
188	7	7	150	7	N	150	100	15	300	150
189	5	5	150	7	N	150	70	15	300	30
190	7	10	70	7	N	200	70	15	<200	300
191	7	15	50	7	N	200	70	15	<200	70
192	5	5	30	5	N	150	70	15	200	100
193	5	<5	150	5	N	150	50	10	300	50
194	10	7	700	7	N	150	70	15	>10,000	70
195	<5	N	150	N	N	150	15	15	N	300
196	5	<5	150	5	N	150	50	10	300	50
197	5	N	30	N	N	150	30	20	N	150
198	5	N	30	N	N	150	70	10	N	150
199	5	N	30	N	N	150	70	15	N	150
200	7	N	30	N	N	150	70	15	N	300

Table 4b. Analytical data for drill hole 2 collected during the U.S.G.S.-C.R.M. detailedstudy of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s
1	3.0	.30	.07	.30	1,500	1.5	150	1,500	N	N	30
2	5.0	.50	.30	.15	7,000	15.0	150	1,500	<10	7	100
3	7.0	.30	.10	.15	3,000	3.0	70	1,500	N	<5	70
4	1.5	.10	<.05	.07	700	1.5	1,500	700	N	N	15
5	3.0	.30	<.05	.15	1,500	1.5	150	2,000	N	N	15
6	.7	.07	<.05	.07	300	1.0	150	700	N	N	7
7	2.0	.30	.05	.15	7,000	3.0	700	1,500	N	5	50
8	2.0	.30	<.05	.15	3,000	1.5	500	1,500	N	N	30
9	3.0	.30	<.05	.15	1,500	1.5	1,500	1,500	N	N	30
10	3.0	.30	<.05	.15	7,000	1.5	700	1,500	N	N	30
11	3.0	.30	<.05	.15	3,000	1.5	1,500	1,500	N	N	30
12	2.0	.30	<.05	.15	1,000	3.0	1,500	1,500	N	N	30
13	2.0	.30	<.05	.15	300	1.5	1,000	1,000	N	N	20
14	3.0	.30	<.05	.15	500	5.0	3,000	700	N	N	70
15	3.0	.30	<.05	.15	1,500	5.0	3,000	700	N	N	70
16	5.0	.30	<.05	.15	3,000	5.0	2,000	700	N	N	70
17	3.0	.30	<.05	.15	3,000	10.0	700	700	N	N	20
18	5.0	.30	<.05	.15	1,500	7.0	200	700	N	N	70
19	3.0	.30	<.05	.15	300	10.0	150	700	N	N	30
20	3.0	.30	<.05	.15	1,500	15.0	200	700	N	N	30
21	3.0	.30	<.05	.15	700	10.0	200	700	N	N	30
22	3.0	.30	<.05	.15	1,500	5.0	300	700	N	N	50
23	7.0	.30	<.05	.15	1,500	3.0	200	700	N	N	70
24	3.0	.30	<.05	.15	700	3.0	150	700	N	N	15
25	3.0	.30	<.05	.15	500	3.0	150	700	N	N	15
26	1.5	.30	<.05	.15	700	3.0	150	700	N	N	30
27	5.0	.30	<.05	.15	1,500	3.0	150	700	N	N	50
28	10.0	.30	<.05	.10	3,000	3.0	150	700	N	<5	70
29	7.0	.30	<.05	.15	300	2.0	150	300	N	N	70
30	5.0	.30	<.05	.15	300	30.0	150	300	N	N	30
31	3.0	.30	<.05	.15	300	3.0	150	300	N	N	50
32	3.0	.15	<.05	.07	200	3.0	100	200	N	N	30
33	3.0	.50	<.05	.15	1,000	3.0	150	300	N	N	70
34	2.0	.50	<.05	.15	1,500	2.0	150	1,500	N	N	70
35	2.0	.30	<.05	.15	1,500	1.5	150	700	N	N	30
36	2.0	.50	<.05	.15	1,000	2.0	150	700	N	N	20
37	1.5	.30	<.05	.10	1,000	3.0	150	700	N	<5	20
38	7.0	.50	<.05	.15	5,000	7.0	150	1,000	N	50	150
39	3.0	.70	<.05	.15	7,000	7.0	300	700	70	10	200
40	10.0	.70	<.05	.15	500	3.0	100	500	N	N	70
41	7.0	.50	<.05	.15	200	3.0	100	300	<10	N	50
42	5.0	.20	<.05	.15	100	2.0	50	200	<10	N	15
43	5.0	.30	<.05	.15	200	3.0	70	300	N	N	15
44	3.0	.70	<.05	.15	300	3.0	70	700	<10	N	15
45	3.0	.70	<.05	.15	200	3.0	100	500	30	N	20

Table 4b. Analytical data for drill hole 2 collected during the U.S.G.S.-C.R.M. detailedstudy of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	La ppm-s	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
1	50	15	N	500	N	N	30	20	200	300
2	70	30	<5	3,000	<10	700	30	20	700	200
3	50	20	5	700	<10	N	20	15	300	150
4	N	<5	N	300	N	N	20	<10	300	20
5	70	10	N	700	<10	500	30	20	1,000	150
6	<20	<5	N	300	N	N	15	<10	700	20
7	50	10	N	300	N	300	20	70	3,000	150
8	70	7	N	300	N	300	15	30	1,500	150
9	50	10	N	700	10	300	30	20	300	200
10	70	10	N	500	N	300	20	30	700	200
11	50	7	N	700	<10	500	15	30	700	50
12	50	15	N	1,000	<10	300	20	30	200	500
13	70	15	N	700	<10	N	20	20	N	50
14	50	50	N	1,500	15	N	30	15	<200	100
15	50	100	N	1,500	15	N	20	15	N	70
16	50	150	N	2,000	15	300	20	30	300	100
17	50	100	N	150	10	N	20	20	200	100
18	20	300	N	3,000	30	300	15	10	300	100
19	30	700	N	3,000	15	300	20	10	N	100
20	50	30	N	1,500	10	300	15	15	<200	100
21	50	20	N	1,500	<10	300	15	50	<200	100
22	50	15	N	1,500	<10	300	20	300	200	150
23	100	30	N	3,000	<10	300	20	100	300	100
24	70	20	N	1,500	<10	N	30	20	N	70
25	70	30	N	1,500	<10	N	20	20	N	70
26	50	30	N	1,500	<10	N	30	15	300	70
27	70	150	N	2,000	15	N	30	30	500	70
28	50	150	N	1,500	20	N	30	20	700	150
29	50	100	N	2,000	20	N	20	30	500	100
30	50	30	N	3,000	30	N	20	30	300	70
31	70	30	N	3,000	30	N	30	30	300	100
32	50	15	N	3,000	20	N	20	20	300	70
33	70	15	N	5,000	30	N	30	30	300	70
34	70	15	N	3,000	15	N	30	30	200	70
35	70	20	N	1,500	15	N	20	30	200	70
36	70	15	N	1,500	10	N	30	30	200	100
37	50	10	N	3,000	<10	N	20	30	300	50
38	70	30	N	5,000	<10	N	30	50	700	70
39	50	30	N	3,000	30	500	30	30	500	150
40	50	20	N	3,000	50	N	30	30	300	100
41	70	30	N	3,000	30	N	50	30	N	70
42	50	7	N	1,500	15	N	30	20	N	100
43	50	7	N	1,500	20	N	30	20	N	100
44	70	7	N	3,000	30	N	30	30	N	100
45	70	15	N	3,000	30	N	50	30	N	70

Table 4b. Analytical data for drill hole 2 collected during the U.S.G.S.-C.R.M. detailedstudy of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	B ppm-s	Ba ppm-s	Bi ppm-s	Co ppm-s	Cu ppm-s
46	3.0	.70	<.05	.15	200	3.0	100	500	20	N	30
47	5.0	.20	<.05	.15	300	5.0	300	700	<10	N	50
48	3.0	.30	<.05	.15	300	3.0	70	700	N	N	70
49	3.0	.30	<.05	.15	300	15.0	50	3,000	N	N	100
50	5.0	.30	<.05	.15	700	7.0	100	1,500	N	N	50
51	5.0	.30	<.05	2.00	1,000	3.0	500	2,000	N	N	15
52	5.0	.30	<.05	.15	700	3.0	70	1,500	N	N	15
53	3.0	.30	<.05	.15	700	3.0	700	1,500	N	N	30

Table 4b. Analytical data for drill hole 2 collected during the U.S.G.S.-C.R.M. detailedstudy of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	La ppm-s	Mo ppm-s	Ni ppm-s	Pb ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
46	50	15	N	3,000	30	N	50	20	N	100
47	70	15	N	1,500	30	N	50	30	N	70
48	70	15	N	2,000	30	N	30	15	N	30
49	70	20	N	2,000	30	N	30	15	<200	70
50	70	30	N	3,000	30	N	30	20	<200	100
51	50	30	N	1,500	50	N	70	30	200	70
52	50	20	N	700	15	N	50	15	<200	150
53	50	15	N	700	30	200	50	20	300	70

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s
1	N	N	<5	<10	30	30	30	N	7
2	N	N	N	N	15	30	10	N	<5
3	N	N	<5	N	30	50	30	<20	<5
4	N	N	N	N	15	30	5	N	N
5	N	N	N	N	15	50	10	<20	N
6	N	N	N	N	15	70	7	<20	N
7	N	N	N	<10	15	50	5	<20	N
8	N	N	N	N	15	50	7	<20	N
9	N	N	N	N	7	70	7	<20	N
10	N	N	N	N	7	70	7	<20	N
11	N	N	N	N	15	70	7	<20	7
12	N	N	N	<10	30	70	5	<20	N
13	N	N	N	<10	10	70	7	<20	N
14	N	N	N	<10	7	70	7	<20	N
15	N	N	N	<10	15	70	7	<20	N
16	N	N	N	N	7	50	5	N	N
17	N	N	N	<10	7	70	7	<20	N
18	N	N	N	<10	10	70	5	<20	N
19	N	N	7	<10	15	70	20	<20	N
20	N	N	N	N	7	50	10	<20	N
21	N	N	N	<10	15	70	15	<20	N
22	N	N	10	<10	30	50	30	<20	N
23	N	N	<5	<10	20	50	20	<20	N
24	N	N	N	<10	30	20	100	N	N
25	N	N	N	<10	20	<20	30	N	N
26	N	N	N	<10	70	20	50	N	N
27	N	N	N	N	70	<20	30	N	N
28	N	N	N	N	70	<20	10	N	N
29	N	N	N	N	100	<20	15	N	N
30	N	N	N	<10	100	20	10	N	N
31	N	N	N	<10	70	N	30	N	N
32	N	N	N	<10	30	N	200	N	N
33	N	N	N	<10	30	N	700	N	N
34	N	N	N	<10	15	N	30	N	N
35	N	N	N	<10	15	N	50	N	N
36	N	N	N	<10	70	N	30	N	N
37	N	N	N	<10	7	N	10	N	N
38	N	N	N	<10	5	N	5	N	N
39	N	N	N	<10	50	N	7	N	N
40	N	N	N	<10	15	N	5	N	N
41	N	N	N	<10	10	<20	5	N	N
42	N	N	N	<10	30	<20	5	N	N
43	N	N	N	<10	30	N	<5	N	N
44	N	N	N	<10	20	N	<5	N	N
45	N	N	N	<10	70	N	<5	N	N

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
1	1.5	.15	.15	.10	2,000	3.0	N	100	1,500
2	1.0	.15	.70	.07	700	1.5	N	200	1,000
3	1.5	.15	.30	.07	3,000	3.0	N	100	1,500
4	1.0	.07	.05	.10	1,000	1.5	N	30	1,500
5	1.0	.10	.07	.07	1,500	2.0	N	200	1,500
6	1.0	.15	.05	.10	1,500	1.5	N	50	1,500
7	1.0	.15	<.05	.07	700	1.0	N	30	1,500
8	1.0	.10	.05	.07	1,500	1.5	N	50	1,000
9	1.0	.15	.05	.15	1,500	1.0	N	50	1,500
10	1.0	.15	.05	.10	1,500	1.5	N	50	1,500
11	1.0	.15	.05	.07	1,500	2.0	N	70	1,500
12	1.0	.15	.10	.07	1,500	1.5	N	70	1,500
13	1.0	.15	.05	.07	1,500	3.0	N	70	1,500
14	1.5	.15	<.05	.07	1,500	2.0	N	70	1,500
15	1.0	.15	.05	.07	2,000	1.5	N	70	1,500
16	1.0	.15	<.05	.07	1,500	1.5	N	700	1,500
17	1.0	.15	<.05	.07	1,500	<.5	N	1,500	1,500
18	1.0	.15	.07	.07	1,500	1.5	N	1,500	1,500
19	1.5	.30	<.05	.07	>5,000	7.0	N	2,000	1,500
20	1.5	.30	<.05	.07	5,000	2.0	N	1,500	1,500
21	1.5	.30	<.05	.07	3,000	3.0	N	1,500	1,500
22	2.0	.30	<.05	.07	>5,000	15.0	N	1,500	1,500
23	1.5	.20	<.05	.07	3,000	3.0	N	1,500	1,000
24	1.0	.30	<.05	.10	500	3.0	N	300	700
25	1.0	.30	<.05	.07	300	2.0	N	300	500
26	1.0	.20	<.05	.07	200	3.0	N	70	300
27	1.0	.15	<.05	.07	300	3.0	N	70	200
28	1.0	.30	<.05	.07	300	3.0	N	70	300
29	1.5	.30	<.05	.07	300	10.0	N	70	300
30	1.5	.30	<.05	.07	200	7.0	N	70	300
31	2.0	.30	<.05	.07	700	7.0	N	50	300
32	1.5	.30	<.05	.07	300	5.0	N	50	300
33	1.5	.30	<.05	.10	1,500	3.0	N	50	300
34	1.0	.30	<.05	.07	700	1.0	N	50	700
35	1.0	.30	<.05	.10	300	1.5	N	50	1,000
36	1.5	.30	<.05	.07	1,000	<.5	N	50	700
37	1.0	.30	<.05	.07	300	1.5	N	50	1,000
38	1.0	.30	<.05	.07	1,500	<.5	N	50	700
39	1.5	.30	<.05	.03	3,000	<.5	N	50	700
40	1.5	.30	<.05	.07	1,500	1.5	N	70	1,000
41	1.5	.30	<.05	.07	700	1.0	N	50	1,500
42	1.0	.30	<.05	.07	3,000	.5	N	50	1,500
43	1.0	.30	<.05	.07	3,000	1.5	N	20	1,500
44	1.0	.30	<.05	.07	3,000	1.0	N	20	1,000
45	1.0	.20	<.05	.07	3,000	1.5	N	20	1,000

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
1	7 CO	<5	N	200	20	20	300	70
2	3 CO	N	N	200	15	15	200	50
3	7 CO	<5	N	300	20	30	500	70
4	3 CO	<5	N	500	20	20	300	30
5	3 CO	<5	N	500	20	30	500	50
6	3 CO	5	N	700	30	50	500	70
7	3 CO	<5	N	500	20	20	700	30
8	3 CO	<5	N	300	20	30	700	70
9	3 00	5	N	500	20	20	500	70
10	3 CO	5	N	300	20	30	700	70
11	3 CO	5	N	500	20	30	1,000	70
12	3 00	<5	N	700	20	15	1,000	70
13	7 CO	<5	N	300	15	20	700	70
14	7 00	5	N	500	20	30	500	70
15	3 CO	5	N	500	20	30	1,000	70
16	3 CO	5	N	200	20	30	1,000	70
17	3 CO	<5	10	300	20	20	1,000	70
18	3 CO	<5	N	300	20	30	1,500	70
19	7 CO	<5	<10	500	30	30	1,000	70
20	7 CO	<5	<10	30	20	15	700	100
21	7 CO	5	10	300	30	15	300	70
22	2,0 00	<5	10	500	20	20	500	70
23	1 CO	<5	20	300	20	15	300	70
24	3,0 00	N	30	200	20	10	200	70
25	3 CO	N	20	200	15	<10	<200	100
26	3,0 CO	N	20	200	10	<10	300	50
27	3,0 CO	N	15	200	10	<10	300	30
28	3,0 CO	N	30	200	10	<10	200	30
29	3,0 CO	N	20	200	10	<10	300	30
30	5,0 CO	N	15	500	10	<10	300	30
31	5,0 CO	N	20	200	15	15	200	50
32	1,5 CO	N	15	200	10	N	N	50
33	7,0 00	N	30	200	15	<10	N	30
34	1,0 CO	N	<10	200	15	N	N	30
35	1,5 CO	N	<10	200	15	N	N	50
36	3,0 CO	N	10	200	10	<10	200	30
37	1,5 CO	N	<10	200	10	<10	N	20
38	1,5 00	N	<10	200	20	N	N	30
39	3,0 CO	N	<10	200	20	N	N	30
40	1,5 CO	N	<10	200	15	<10	N	30
41	1,5 CO	N	<10	200	15	10	N	30
42	3,0 CO	N	N	200	10	15	1,000	50
43	1,5 CO	N	N	200	10	10	1,500	30
44	5 00	N	N	200	10	15	1,500	30
45	7 CO	N	N	200	<10	20	1,500	50

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
46	1.0	.20	<.05	.07	3,000	1.5	N	20	1,500
47	1.5	.20	<.05	.15	2,000	3.0	N	10	1,500
48	1.0	.07	<.05	.07	300	2.0	N	20	700
49	1.5	.15	<.05	.15	700	3.0	N	70	1,500
50	1.5	.30	<.05	.15	300	3.0	N	30	1,500
51	1.5	.30	<.05	.15	200	1.5	N	20	1,500
52	1.5	.30	<.05	.15	700	1.5	N	20	1,500
53	1.5	.30	<.05	.15	1,500	1.5	N	20	1,500
54	1.0	.30	<.05	.15	700	1.0	N	20	1,500
55	1.0	.30	<.05	.15	200	1.5	N	20	1,500
56	1.5	.30	<.05	.15	1,000	1.5	N	20	1,500
57	1.5	.30	<.05	.15	700	1.5	N	700	1,500
58	1.5	.50	<.05	.15	700	1.5	N	20	1,500
59	1.5	.30	<.05	.15	7,000	5.0	N	20	1,500
60	1.5	.30	<.05	.15	3,000	1.5	N	50	1,500
61	1.5	.50	<.05	.15	700	3.0	N	20	1,500
62	1.5	.30	<.05	.15	1,500	1.0	N	20	1,500
63	1.5	.30	<.05	.15	2,000	1.5	N	20	1,500
64	1.5	.30	<.05	.15	>5,000	3.0	N	15	1,500
65	1.0	.30	<.05	.15	3,000	1.5	N	15	1,500
66	1.5	.50	<.05	.15	3,000	1.0	N	50	1,500
67	1.5	.70	<.05	.15	7,000	2.0	N	50	1,500
68	1.5	.50	<.05	.15	3,000	1.0	N	20	1,500
69	1.5	.70	<.05	.15	7,000	2.0	N	10	1,500
70	2.0	.50	.05	.15	3,000	.7	N	N	1,500
71	2.0	.70	.05	.15	3,000	1.5	N	<10	2,000
72	2.0	.70	.05	.15	3,000	1.5	N	N	2,000
73	2.0	.50	<.05	.15	5,000	3.0	N	<10	1,500
74	2.0	.50	.05	.15	1,500	2.0	N	<10	1,500
75	2.0	.70	<.05	.15	1,500	2.0	N	<10	1,500
76	2.0	.50	<.05	.15	3,000	5.0	N	<10	1,500
77	2.0	.50	<.05	.15	>5,000	15.0	N	N	1,500
78	2.0	.70	.05	.15	3,000	2.0	N	N	1,500
79	2.0	.70	.05	.15	3,000	1.5	N	N	1,500
80	2.0	.50	.05	.15	3,000	1.0	N	<10	1,500
81	2.0	.70	.05	.15	2,000	1.0	N	<10	1,500
82	1.5	.70	.07	.15	3,000	1.5	N	<10	1,500
83	1.5	.70	.07	.15	3,000	3.0	N	N	1,500
84	3.0	.70	.05	.15	3,000	15.0	N	<10	1,500
85	2.0	.70	<.05	.15	1,500	3.0	N	<10	1,500
86	2.0	.30	<.05	.15	>5,000	10.0	N	10	1,500
87	2.0	.50	<.05	.15	3,000	1.5	N	<10	1,500
88	2.0	.70	<.05	.15	1,000	3.0	N	20	1,500
89	5.0	.50	<.05	.15	1,500	.5	N	15	1,500
90	3.0	.50	<.05	.15	300	1.5	N	<10	1,500

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s
46	N	N	N	<10	70	<20	<5	N	N
47	N	N	N	<10	30	30	5	N	N
48	N	N	N	N	15	30	<5	N	N
49	N	N	N	N	15	30	5	N	N
50	N	N	N	N	15	30	7	N	N
51	N	N	N	N	15	30	<5	N	N
52	N	N	N	N	20	30	<5	N	N
53	N	N	N	N	15	50	5	N	N
54	N	N	N	N	15	30	<5	N	N
55	N	N	N	N	15	30	<5	N	N
56	N	N	N	N	15	20	<5	N	5
57	N	N	N	N	15	30	<5	N	N
58	N	N	N	N	7	20	10	N	N
59	N	N	5	N	20	30	7	N	N
60	N	N	N	N	10	30	7	N	N
61	N	N	N	N	7	20	5	N	N
62	N	N	N	N	15	30	5	N	N
63	N	N	N	N	10	30	5	N	N
64	N	N	7	N	10	30	5	N	N
65	N	N	N	N	5	30	5	N	N
66	N	N	N	N	7	20	<5	N	N
67	N	N	<5	N	10	30	<5	N	N
68	N	N	N	N	15	20	<5	N	N
69	N	N	5	N	15	30	5	N	N
70	N	N	N	<10	15	30	<5	N	N
71	N	N	<5	<10	15	30	5	N	N
72	N	N	N	<10	10	20	<5	N	N
73	N	N	<5	<10	15	20	<5	N	N
74	N	N	N	N	20	20	<5	N	N
75	N	N	N	N	10	20	15	N	N
76	N	N	<5	N	10	20	7	N	N
77	N	N	5	N	15	30	5	N	N
78	N	N	N	N	7	20	<5	N	N
79	N	N	N	<10	7	30	5	N	N
80	N	N	N	<10	7	20	<5	N	N
81	N	N	N	N	7	20	5	N	N
82	N	N	N	N	50	20	<5	N	N
83	N	N	N	<10	70	20	<5	N	N
84	N	N	7	<10	150	20	15	N	N
85	N	N	N	<10	70	30	15	N	N
86	N	N	15	N	70	30	30	N	N
87	N	N	<5	N	15	20	7	N	N
88	N	N	N	N	15	20	10	N	N
89	N	N	N	N	15	20	30	N	N
90	N	N	N	<10	15	<20	20	N	N

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
46	7 CO	N	N	200	10	15	1,500	30
47	5 CO	<5	N	100	15	30	1,500	70
48	3 CO	<5	N	100	10	15	1,500	70
49	7 00	<5	N	100	15	15	1,500	70
50	3,0 CO	<5	<10	100	20	10	500	70
51	7 CO	<5	N	100	15	15	500	70
52	1,0 CO	<5	N	100	30	20	1,000	70
53	7 CO	<5	N	200	50	10	1,000	70
54	3 CO	<5	N	100	30	15	1,500	50
55	3 CO	<5	N	100	30	20	1,000	100
56	1 50	<5	N	100	30	15	700	70
57	3 CO	<5	N	100	20	15	1,000	30
58	3 CO	<5	N	100	50	15	1,000	70
59	7 CO	<5	N	100	30	20	1,500	50
60	3 CO	<5	N	100	30	15	1,500	30
61	70	<5	N	100	30	10	1,000	50
62	2 CO	<5	N	100	30	15	1,500	30
63	7 CO	<5	N	100	30	15	1,500	50
64	7 CO	<5	N	100	30	15	1,500	70
65	1,5 CO	<5	N	100	30	15	1,500	70
66	7 CO	<5	N	100	30	15	1,500	70
67	1,5 CO	<5	N	100	30	20	1,500	70
68	5 CO	<5	N	100	30	15	1,500	30
69	1,5 CO	<5	N	100	30	15	2,000	100
70	3 CO	<5	N	100	30	15	2,000	70
71	3 CO	7	N	150	70	30	3,000	70
72	3 CO	<5	N	150	50	20	3,000	70
73	7 CO	<5	N	150	30	15	3,000	70
74	3 00	<5	N	100	30	15	1,500	100
75	3 CO	<5	N	150	50	20	1,500	50
76	2 CO	<5	N	150	50	15	1,500	70
77	2 CO	<5	N	150	50	20	1,500	100
78	2 00	<5	N	150	50	15	1,000	70
79	1 50	<5	N	150	70	15	1,000	70
80	1 50	<5	N	100	50	15	1,000	70
81	3 CO	<5	N	100	50	15	1,500	100
82	3 CO	<5	N	150	30	15	3,000	30
83	2 CO	<5	N	150	30	20	5,000	50
84	1,0 CO	5	N	150	50	30	3,000	50
85	1,5 CO	7	N	100	70	20	2,000	150
86	1,0 CO	5	15	150	50	30	1,500	150
87	1,0 CO	5	15	100	50	15	300	30
88	1,5 CO	5	15	150	50	10	<200	70
89	1,5 00	5	10	150	50	10	300	70
90	7 CO	<5	15	100	20	<10	200	50

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
91	7.0	.30	<.05	.10	300	.5	N	15	1,500
92	5.0	.30	<.05	.10	300	<.5	N	10	1,500
93	7.0	.30	<.05	.30	1,500	1.5	N	30	1,500
94	3.0	.70	<.05	.30	700	1.5	N	30	2,000
95	3.0	.70	<.05	.30	1,000	1.5	N	30	2,000
96	3.0	.70	<.05	.30	700	1.5	N	30	3,000
97	5.0	.70	<.05	.30	700	5.0	N	30	1,500
98	3.0	.30	<.05	.30	300	15.0	N	50	1,500
99	3.0	.70	<.05	.30	300	10.0	N	70	1,500
100	2.0	.70	<.05	.30	500	5.0	N	150	1,500
101	5.0	.30	<.05	.30	300	2.0	N	70	1,000
102	5.0	.30	<.05	.20	150	15.0	1,000	30	2,000
103	15.0	<.02	<.05	.15	200	7.0	2,000	50	500
104	5.0	.30	<.05	.15	150	5.0	N	30	700
105	5.0	.10	<.05	.15	70	15.0	N	20	700
106	5.0	.07	<.05	.15	50	15.0	N	50	700
107	7.0	.20	<.05	.30	70	1.5	N	200	700
108	7.0	.70	<.05	.30	1,000	1.5	N	300	1,500
109	3.0	3.00	.07	.30	>5,000	30.0	N	N	3,000
110	3.0	3.00	.30	.30	1,500	1.5	N	N	2,000
111	5.0	3.00	.30	.30	2,000	1.0	N	<10	3,000
112	5.0	1.50	.20	.30	3,000	3.0	N	20	3,000
113	7.0	.70	<.05	.15	700	7.0	N	500	700
114	10.0	.50	<.05	.15	200	7.0	700	200	700
115	7.0	.30	<.05	.15	150	7.0	500	70	700
116	5.0	.30	<.05	.15	300	10.0	N	200	700
117	3.0	.70	<.05	.15	300	7.0	N	150	1,000
118	7.0	.30	N	.15	300	7.0	500	200	700
119	5.0	.70	<.05	.15	300	50.0	700	150	1,500
120	7.0	.70	<.05	.15	500	3.0	500	150	1,500
121	3.0	.50	<.05	.15	500	3.0	500	70	2,000
122	3.0	.30	<.05	.15	500	1.0	500	50	1,500
123	5.0	.70	<.05	.15	700	7.0	200	70	2,000
124	5.0	.70	.05	.15	3,000	7.0	300	50	2,000
125	3.0	.70	.05	.15	3,000	5.0	300	20	3,000
126	3.0	1.00	.07	.15	1,500	3.0	300	20	3,000
127	2.0	1.50	.10	.15	1,500	1.5	300	30	3,000
128	3.0	1.50	.10	.20	1,500	1.0	300	70	3,000
129	3.0	1.50	.07	.15	1,500	.7	200	100	3,000
130	3.0	1.00	.07	.15	1,500	1.5	300	70	3,000
131	2.0	1.00	.07	.20	1,500	2.0	N	700	3,000
132	2.0	1.00	.10	.15	1,500	1.5	300	300	3,000
133	2.0	1.50	.10	.15	1,500	1.5	200	200	3,000
134	2.0	1.00	.10	.15	1,000	1.5	N	700	2,000
135	2.0	1.50	.10	.20	3,000	2.0	<200	300	3,000

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s
91	N	N	N	N	7	<20	15	N	N
92	N	N	N	N	15	20	10	N	N
93	<10	N	7	<10	70	20	15	N	N
94	N	N	N	N	70	50	<5	N	N
95	N	N	<5	<10	150	20	5	N	N
96	N	N	N	N	70	50	7	N	N
97	N	N	N	N	50	30	7	N	N
98	<10	N	N	<10	20	20	7	<20	N
99	N	N	N	<10	10	30	10	<20	N
100	<10	70	<5	<10	150	30	5	<20	N
101	<10	50	7	<10	70	30	30	<20	N
102	<10	N	N	<10	300	30	20	<20	N
103	70	N	N	<10	70	20	150	N	N
104	<10	N	<5	<10	300	30	10	<20	N
105	200	N	N	N	200	30	20	<20	N
106	50	N	N	N	150	30	7	<20	N
107	<10	N	N	N	50	30	7	<20	N
108	<10	N	5	<10	50	30	10	<20	N
109	N	N	70	<10	300	20	10	<20	5
110	N	N	15	<10	100	20	7	<20	7
111	N	N	15	<10	70	30	5	<20	5
112	30	N	15	<10	100	20	10	<20	<5
113	30	N	N	<10	150	30	30	<20	N
114	70	N	5	<10	150	20	70	<20	N
115	70	N	N	<10	50	20	15	<20	N
116	20	N	N	<10	70	<20	30	N	N
117	<10	N	N	<10	150	<20	50	N	7
118	70	N	N	<10	150	<20	70	N	N
119	<10	100	<5	<10	300	30	30	N	N
120	<10	N	N	<10	70	30	30	N	N
121	N	N	N	<10	30	20	15	N	N
122	<10	N	N	N	20	30	15	N	N
123	<10	N	N	<10	30	20	30	N	N
124	N	N	7	<10	100	30	15	N	N
125	N	N	7	<10	70	30	7	N	N
126	N	N	5	<10	70	30	7	N	N
127	N	N	7	<10	70	30	5	<20	N
128	N	N	5	<10	30	30	7	<20	N
129	N	N	<5	<10	15	30	5	<20	N
130	N	N	5	<10	30	30	7	<20	N
131	N	N	<5	<10	30	30	7	<20	N
132	N	N	5	<10	30	30	7	<20	N
133	N	N	N	<10	30	30	7	<20	N
134	N	N	<5	<10	20	30	5	<20	N
135	N	N	7	<10	70	30	7	<20	N

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
91	7 CO	<5	15	150	20	<10	300	50
92	1,5 CO	5	N	150	15	<10	300	30
93	7 CO	7	20	700	70	20	1,500	300
94	3 00	7	<10	700	70	15	1,500	100
95	3 CO	7	10	700	70	20	2,000	150
96	7 00	7	<10	700	70	70	3,000	100
97	3,0 CO	7	<10	300	70	30	700	200
98	3,0 CO	7	10	500	70	10	300	150
99	3,0 CO	7	15	150	70	<10	200	150
100	1,5 CO	7	70	200	70	15	1,500	150
101	3 CO	7	70	150	70	20	1,000	100
102	3 CO	7	50	300	70	15	300	150
103	1,5 00	5	30	300	70	10	300	70
104	3 CO	5	30	300	70	15	<200	100
105	1,5 OC	5	30	200	70	10	300	70
106	5 00	5	30	700	70	10	200	70
107	3 CO	7	30	700	70	15	200	100
108	3 CC	7	30	1,000	70	20	700	150
109	30	5	N	700	100	70	>10,000	100
110	30	7	N	700	150	15	>10,000	150
111	30	7	N	300	100	15	>10,000	10
112	7 00	7	N	300	150	20	>10,000	150
113	5,0 CC	7	20	700	70	15	7,000	100
114	2,0 CO	7	30	700	70	10	700	100
115	2,0 CO	7	20	300	50	15	300	70
116	3,0 CO	7	20	<100	70	10	300	100
117	5 CO	7	30	<100	70	N	500	100
118	15,0 CO	5	20	<100	50	30	700	70
119	7,0 CO	7	15	<100	70	N	1,500	70
120	7,0 CO	7	30	500	70	<10	300	150
121	5 CO	5	10	700	70	15	200	150
122	3 00	7	<10	500	70	10	200	100
123	1,5 CO	7	20	500	70	15	500	100
124	7 CO	7	10	500	70	20	3,000	70
125	3 CO	5	<10	300	70	15	2,000	100
126	2 CO	7	15	300	70	20	2,000	70
127	2 CO	7	<10	300	70	15	1,500	150
128	3 CO	7	10	500	70	20	1,500	150
129	7 00	7	15	300	70	15	1,500	100
130	5 CO	7	10	500	70	15	100	200
131	70	7	N	300	70	20	1,000	150
132	3 CO	7	<10	300	70	20	1,500	100
133	1 00	7	N	500	70	15	1,000	70
134	2 00	7	N	300	70	15	700	150
135	1 50	7	N	300	70	20	1,000	150

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
136	2.0	1.50	.10	.20	1,500	1.5	<200	1,500	3,000
137	1.5	1.00	.10	.15	1,000	1.5	<200	700	2,000
138	1.5	1.50	.10	.15	3,000	1.0	N	1,500	3,000
139	2.0	1.50	.15	.30	700	N	N	1,000	3,000
140	2.0	.70	.15	.30	1,000	<.5	N	700	3,000

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Ni ppm-s
136	N	N	7	<10	70	30	7	<20	N
137	N	N	5	<10	50	50	<5	<20	N
138	N	N	5	<10	30	50	<5	<20	N
139	N	N	5	N	30	50	5	N	N
140	N	N	5	N	30	30	5	N	N

Table 4c. Analytical data for drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	Zr ppm-s
136	70	7	N	300	70	15	3,000	150
137	300	5	N	300	70	15	3,000	100
138	50	7	N	500	70	15	1,500	150
139	50	7	N	500	70	15	500	70
140	50	7	N	300	70	15	700	100

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
2	15.0	.30	.15	>2.00	3,000	30	N	150	1,500
4	20.0	.30	.50	>2.00	1,500	30	N	150	1,500
6	15.0	.30	.15	>2.00	3,000	30	N	150	1,500
7	20.0	.30	.15	>2.00	10,000	30	N	150	1,500
8	30.0	.30	.70	>2.00	1,500	5	N	100	1,000
9	5.0	.50	.30	>2.00	1,500	15	N	150	1,500
10	10.0	.30	.50	>2.00	>10,000	50	N	150	1,500
11	5.0	.30	.70	>2.00	3,000	70	N	200	700
12	5.0	.50	<.10	>2.00	1,500	30	N	300	700
13	5.0	.50	.15	>2.00	1,500	30	N	300	700
14	3.0	.30	.15	>2.00	>10,000	70	N	150	700
15	3.0	.50	.70	>2.00	1,500	30	N	150	1,500
16	5.0	.30	.10	>2.00	1,500	30	N	200	700
17	7.0	.30	.10	>2.00	700	10	N	200	700
18	7.0	.30	.15	>2.00	700	7	N	300	700
19	7.0	.20	.15	>2.00	700	15	N	150	700
20	7.0	.20	<.10	>2.00	1,000	15	N	150	700
21	7.0	.30	.15	>2.00	3,000	20	N	200	700
22	7.0	.30	<.10	>2.00	700	15	N	300	700
23	5.0	.30	<.10	>2.00	3,000	15	N	150	2,000
24	7.0	.30	.15	>2.00	1,000	10	N	150	700
25	5.0	.30	.15	>2.00	1,500	15	N	150	700
26	3.0	.30	.20	>2.00	1,500	15	N	150	700
27	1.5	.20	.10	>2.00	1,500	2	N	20	700
32	5.0	.30	.20	>2.00	1,000	3	3,000	50	1,500
33	7.0	.30	.15	>2.00	1,500	7	3,000	100	500
34	7.0	.20	<.10	>2.00	300	7	3,000	150	700
36	5.0	.15	<.10	>2.00	500	3	1,500	100	300
37	2.0	.15	<.10	>2.00	>10,000	7	1,000	50	700
38	1.5	.30	<.10	>2.00	>10,000	30	700	100	700
39	1.0	.07	<.10	>2.00	3,000	3	N	N	100
40	3.0	.30	<.10	>2.00	>10,000	5	1,000	150	700
41	7.0	.30	<.10	>2.00	7,000	7	1,500	150	300
42	7.0	.30	.10	>2.00	1,500	10	3,000	150	500
43	5.0	.50	.15	>2.00	1,500	7	2,000	150	700
44	3.0	.20	<.10	>2.00	>10,000	30	7,000	150	300
45	3.0	.20	<.10	>2.00	7,000	3	5,000	70	300
46	7.0	.30	<.10	>2.00	1,000	<1	2,000	150	300
47	3.0	.20	.10	>2.00	500	<1	1,000	100	300
48	7.0	.30	<.10	>2.00	1,500	5	700	150	700
49	7.0	.30	<.10	>2.00	1,500	15	1,500	150	700
50	5.0	.50	<.10	>2.00	1,500	10	3,000	150	700
51	5.0	.50	<.10	>2.00	1,500	15	7,000	150	700
52	7.0	.30	<.10	>2.00	3,000	15	N	150	700
54	1.5	.30	<.10	>2.00	300	30	N	70	700

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
2	20	<20	150	N	50	700	>2,000	100	150
4	N	N	150	N	70	1,000	>2,000	70	150
6	20	N	150	N	70	700	>2,000	70	150
7	20	N	150	30	1,000	>2,000	20	150	150
8	20	N	150	N	30	1,500	>2,000	20	300
9	20	N	200	N	<20	700	>2,000	20	200
10	20	N	150	N	20	1,000	>2,000	300	700
11	30	N	200	N	20	700	>2,000	15	1,500
12	30	<20	150	N	20	1,000	>2,000	10	>5,000
13	30	<20	150	N	<20	700	>2,000	70	1,500
14	30	<20	200	N	<20	1,000	>2,000	30	700
15	<20	<20	200	N	<20	700	>2,000	30	700
16	20	<20	200	N	<20	700	>2,000	20	700
17	20	N	N	<20	700	>2,000	30	3,000	300
18	30	N	200	N	20	700	>2,000	30	300
19	20	N	200	N	<20	700	>2,000	30	300
20	30	N	200	N	<20	1,000	>2,000	30	300
21	30	N	200	N	<20	1,000	>2,000	30	300
22	30	N	200	N	<20	700	>2,000	20	300
23	20	N	200	N	<20	700	>2,000	50	200
24	20	N	200	N	<20	700	>2,000	30	200
25	20	N	200	N	<20	700	>2,000	30	150
26	20	<20	200	N	<20	700	>2,000	10	150
27	N	<20	N	15	<20	300	300	>5,000	<50
32	N	30	N	15	30	500	500	>5,000	<50
33	30	<20	N	15	50	700	500	>5,000	70
34	50	<20	N	15	20	700	500	>5,000	150
36	N	20	N	15	20	300	700	>5,000	100
37	20	30	N	30	<20	1,500	300	>5,000	50
38	<20	<20	<100	30	<20	700	700	1,500	300
39	N	<20	N	15	N	500	300	>5,000	100
40	<20	20	N	30	<20	700	700	>5,000	50
41	<20	<20	150	20	<20	700	500	>5,000	150
42	20	30	150	15	<20	1,000	1,500	1,500	300
43	N	30	150	15	<20	1,500	1,500	3,000	100
44	20	20	150	50	<20	1,500	200	>5,000	150
45	<20	30	N	20	70	300	1,000	>5,000	N
46	<20	30	N	15	20	300	700	>5,000	<50
47	300	30	N	15	20	300	700	>5,000	50
48	20	20	N	15	20	700	1,500	>5,000	150
49	30	20	<100	15	<20	1,000	1,500	>5,000	150
50	20	<20	100	N	<20	700	1,500	>5,000	200
51	20	<20	100	N	<20	700	1,500	>5,000	150
52	<20	<20	<100	20	<20	1,000	>2,000	1,000	150
54	N	<20	<100	N	<20	1,500	>2,000	3,000	100

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s
2	3,000	N	30	500	100	150	700	N	<200	N
4	2,000	N	20	700	70	150	700	N	<200	N
6	5,000	N	<20	700	70	150	700	N	<200	N
7	15,000	N	50	700	50	<100	700	N	<200	N
8	5,000	N	70	500	<20	150	700	N	<200	N
9	7,000	50	20	700	70	100	1,000	N	<200	N
10	15,000	N	<20	700	70	100	1,500	N	<200	N
11	15,000	N	<20	700	50	150	3,000	N	300	N
12	5,000	N	<20	500	30	150	3,000	N	300	N
13	15,000	N	<20	500	30	100	1,500	N	200	N
14	30,000	N	<20	500	70	150	2,000	N	200	N
15	5,000	N	<20	700	70	150	700	N	200	N
16	7,000	N	<20	500	30	100	1,500	N	200	N
17	3,000	N	100	200	20	150	700	N	200	N
18	3,000	N	30	300	<20	150	700	N	200	N
19	3,000	N	30	300	20	200	700	N	300	N
20	3,000	N	<20	300	<20	150	700	N	200	N
21	7,000	N	<20	500	<20	200	700	N	200	N
22	5,000	N	<20	700	<20	200	700	N	300	N
23	3,000	N	<20	500	<20	200	700	N	<200	N
24	5,000	N	<20	700	<20	150	500	N	200	N
25	15,000	N	<20	700	<20	300	500	N	200	N
26	3,000	N	<20	300	<20	200	700	N	<200	N
27	>50,000	N	50	500	100	<100	300	N	N	N
32	>50,000	<10	100	200	200	<100	300	700	N	N
33	>50,000	<10	70	200	150	100	300	N	<200	N
34	>50,000	<10	150	300	50	100	300	N	200	N
36	>50,000	N	100	300	150	150	700	N	N	N
37	>50,000	N	70	700	1,500	150	300	1,500	N	N
38	30,000	N	<20	200	200	150	700	N	<200	N
39	30,000	N	<20	200	500	<100	300	N	N	N
40	>50,000	N	70	300	300	<100	300	700	N	N
41	>50,000	<10	30	300	700	100	700	1,500	200	N
42	>50,000	20	<20	500	2,000	150	700	1,000	200	N
43	>50,000	<10	20	700	150	<100	700	1,500	200	N
44	>50,000	N	<20	200	2,000	150	700	1,500	<200	N
45	>50,000	N	100	200	1,500	N	700	700	N	N
46	>50,000	<10	70	200	700	<100	500	1,500	N	N
47	>50,000	<10	150	200	500	<100	500	700	N	N
48	>50,000	<10	50	300	200	<100	700	1,500	<200	N
49	50,000	<10	30	300	150	<100	1,500	1,500	200	2,000
50	30,000	<10	20	200	70	<100	1,500	700	<200	2,000
51	>50,000	N	20	300	100	<100	1,500	1,000	<200	N
52	30,000	20	<20	300	30	150	700	1,000	300	2,000
54	30,000	<10	20	500	<20	100	700	700	200	N

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
55	5.0	.30	<.10	>2.00	300	7	N	100	500
56	.3	.30	1,500.00	>2.00	7	N	150	700	N
58	3.0	.30	<.10	>2.00	>10,000	70	N	150	700
61	7.0	.30	<.10	>2.00	>10,000	15	<500	150	700
62	10.0	.30	<.10	>2.00	>10,000	15	<500	150	700
64	7.0	.20	.15	>2.00	700	7	N	150	700
65	10.0	.30	<.10	>2.00	1,500	7	N	150	700
66	10.0	.30	<.10	>2.00	1,500	7	N	150	700
67	5.0	.30	<.10	>2.00	1,500	7	N	150	1,000
68	7.0	.30	<.10	>2.00	3,000	7	N	150	700
69	3.0	.30	<.10	>2.00	700	5	N	100	>10,000
70	7.0	.30	<.10	>2.00	1,500	7	N	150	>10,000
71	5.0	.15	<.10	>2.00	300	30	N	100	>10,000
72	1.5	.07	<.10	>2.00	200	2	N	50	>10,000
73	2.0	.20	<.10	>2.00	1,500	5	1,000	50	>10,000
74	1.5	.15	<.10	>2.00	300	3	N	N	>10,000
75	3.0	.20	<.10	>2.00	500	7	N	100	>10,000
76	7.0	.30	<.10	>2.00	700	7	<500	150	3,000
77	7.0	.30	.15	>2.00	1,500	15	<500	100	3,000
78	7.0	.30	.15	>2.00	>10,000	30	1,500	100	3,000
79	10.0	.20	.15	>2.00	1,500	30	1,500	100	>10,000
80	7.0	.30	.10	>2.00	1,000	15	N	100	1,500
81	7.0	.30	<.10	>2.00	700	7	N	100	1,500
82	10.0	.07	<.10	2.00	10,000	15	3,000	150	>10,000
83	3.0	.07	<.10	.70	1,500	30	700	70	2,000
84	7.0	.07	<.10	.70	500	10	1,000	100	1,500
72	5.0	.15	.15	>2.00	300	50	15,000	70	>10,000
86	30.0	.07	.10	1.00	150	200	500	30	>10,000
87	7.0	.15	<.10	>2.00	300	30	N	100	3,000
88	7.0	.10	<.10	>2.00	1,500	30	N	150	3,000
89	10.0	.30	<.10	>2.00	700	20	N	150	3,000
90	10.0	.30	<.10	>2.00	>10,000	30	N	150	1,500
91	7.0	.30	<.10	>2.00	>10,000	70	N	200	3,000
92	5.0	.70	<.10	>2.00	>10,000	50	N	200	1,500
93	3.0	.50	<.10	>2.00	3,000	50	N	150	700
94	15.0	.30	<.10	>2.00	>10,000	70	N	200	1,500
95	7.0	.30	<.10	>2.00	7,000	30	N	150	1,000
96	15.0	.50	<.10	>2.00	5,000	200	N	100	1,500
97	20.0	.15	.10	>2.00	>10,000	150	N	70	1,000
98	>50.0	<.05	.10	.70	3,000	30	700	N	300
99	>50.0	.07	.15	.70	700	200	500	20	300
100	>50.0	<.05	<.10	.70	500	30	<500	N	150
101	>50.0	<.05	<.10	.30	2,000	70	<500	20	150
102	>50.0	<.05	<.10	.30	1,500	70	N	<20	300
103	>50.0	<.05	<.10	1.00	1,500	50	500	20	1,000

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
55	<20	<20	<100	N	<20	700	>2,000	300	150
56	<20	N	15	<20	100	>2,000	200	150	150
58	20	<20	<100	30	<20	700	1,500	3,000	150
61	70	20	150	20	20	1,000	1,500	>5,000	100
62	70	20	100	15	20	700	1,500	>5,000	150
64	30	<20	100	N	<20	300	>2,000	5,000	150
65	30	<20	150	15	20	300	1,500	3,000	150
66	30	<20	100	20	<20	300	2,000	1,500	150
67	30	<20	N	30	<20	500	>2,000	>5,000	50
68	30	<20	N	30	<20	300	>2,000	700	100
69	20	<20	<100	N	<20	300	1,500	1,000	100
70	30	<20	150	N	<20	300	1,500	2,000	100
71	30	N	150	15	20	300	1,500	2,000	100
72	20	<20	<100	N	<20	500	70	500	70
73	N	30	<100	15	<20	500	700	2,000	70
74	N	<20	<100	N	N	300	1,000	300	50
75	N	<20	100	N	<20	300	1,500	300	150
76	<20	20	100	N	20	700	1,500	300	150
77	20	<20	100	N	<20	500	1,000	500	70
78	<20	<20	<100	30	<20	300	1,000	>5,000	<50
79	20	<20	100	10	<20	700	700	>5,000	70
80	20	<20	150	N	<20	300	300	300	150
81	N	N	100	<10	<20	300	300	300	70
82	<20	20	N	20	<20	1,500	300	1,500	50
83	<20	<20	N	N	<20	300	300	1,000	<50
84	30	20	N	N	<20	300	300	1,500	<50
72	30	<20	N	N	<20	500	300	1,500	<50
86	N	N	N	30	70	20,000	300	70	<50
87	70	<20	N	15	<20	1,500	1,000	150	150
88	50	<20	N	15	<20	1,500	700	150	100
89	30	30	N	<10	<20	1,000	1,000	200	70
90	30	<20	N	20	<20	500	700	200	70
91	30	30	N	30	<20	500	700	300	100
92	30	30	N	15	<20	500	700	70	100
93	30	20	N	15	<20	300	1,500	70	150
94	30	<20	N	20	<20	700	1,500	70	150
95	20	50	N	15	<20	300	700	70	100
96	20	30	N	20	<20	15,000	700	70	100
97	20	50	N	30	<20	1,500	700	70	100
98	N	N	N	100	150	700	200	70	<50
99	N	N	N	70	150	1,500	200	70	<50
100	N	<20	N	70	150	700	150	50	<50
101	N	30	N	70	150	1,000	100	50	<50
102	N	N	N	70	150	2,000	200	70	<50
103	N	N	N	70	150	700	150	70	<50

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s
55	5,000	<10	<20	300	<20	150	700	700	200	2,000
56	7,000	30	<20	300	50	150	700	700	300	2,000
58	>50,000	<10	<20	200	50	150	300	700	200	N
61	>50,000	30	30	300	30	<100	300	3,000	300	N
62	>50,000	30	30	300	50	<100	300	3,000	50	N
64	15,000	20	20	200	30	150	300	3,000	<200	2,000
65	20,000	20	<20	300	30	100	300	2,000	20	N
66	15,000	<10	<20	300	30	150	700	3,000	200	N
67	50,000	30	70	300	30	<100	700	3,000	200	2,000
68	15,000	20	20	200	20	100	700	3,000	<200	2,000
69	15,000	<10	<20	300	<20	<100	500	2,000	<200	N
70	30,000	20	20	300	20	<100	300	2,000	<200	N
71	>50,000	<10	<20	700	<20	150	300	2,000	<200	N
72	>50,000	N	N	700	N	<100	150	1,000	<200	N
73	>50,000	N	<20	500	<20	<100	150	7,000	<200	N
74	>50,000	N	N	700	N	N	200	3,000	N	N
75	7,000	<10	<20	500	<20	150	300	700	200	N
76	10,000	<10	<20	300	20	150	300	10,000	200	N
77	15,000	30	<20	300	20	<100	300	3,000	<200	N
78	>50,000	20	30	300	30	<100	300	3,000	N	N
79	>50,000	20	30	700	30	150	300	3,000	<200	N
80	7,000	20	<20	300	30	<100	200	7,000	<200	N
81	7,000	<10	<20	200	<20	<100	150	7,000	<200	N
82	>50,000	<10	<20	300	30	100	150	10,000	N	N
83	>50,000	10	N	700	30	150	70	700	N	N
84	>50,000	N	N	700	20	200	70	1,500	N	N
72	>50,000	10	N	2,000	100	100	150	1,500	N	2,000
86	30,000	10	30	700	30	N	100	7,000	N	N
87	50,000	10	<20	700	20	150	300	3,000	200	2,000
88	>50,000	15	N	700	30	100	200	5,000	<200	2,000
89	30,000	<10	<20	500	30	100	300	3,000	<200	N
90	50,000	15	<20	700	30	100	300	3,000	<200	N
91	15,000	15	N	200	30	150	300	2,000	200	N
92	30,000	10	<20	500	30	<100	300	3,000	<200	2,000
93	30,000	<10	N	500	20	150	300	3,000	200	2,000
94	30,000	15	<20	1,500	20	150	300	3,000	<200	2,000
95	20,000	<10	<20	700	30	150	300	3,000	<200	N
96	20,000	10	<20	1,000	20	<100	300	3,000	<200	N
97	15,000	<10	<20	700	30	100	150	3,000	N	N
98	2,000	20	70	300	<20	N	70	5,000	N	N
99	3,000	15	50	500	<20	<100	70	3,000	N	N
100	1,500	150	70	200	N	N	100	5,000	N	N
101	1,500	15	70	200	<20	N	70	>20,000	N	N
102	1,500	20	70	300	<20	N	70	7,000	N	N
103	1,000	20	70	300	<20	N	100	7,000	N	N

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
104	10.0	.15	<.10	2.00	2,000	100	N	50	>10,000
105	>50.0	<.05	<.10	.70	1,500	150	N	<20	3,000
106	>50.0	<.05	.15	1.50	700	500	<500	70	700
107	>50.0	<.05	<.10	.70	300	300	1,000	50	150
108	>50.0	<.05	<.10	.70	200	70	N	<20	150
109	>50.0	<.05	.15	.70	300	300	700	N	700
110	>50.0	<.05	.15	.50	500	150	N	<20	70
111	>50.0	<.05	.30	.70	300	150	N	N	150
112	>50.0	<.05	<.10	.70	300	150	N	<20	200
113	>50.0	.05	.10	.70	200	100	<500	20	100
114	>50.0	<.05	.10	.30	150	150	<500	20	300
115	>50.0	<.05	.10	.70	150	200	N	<20	700
116	>50.0	<.05	.15	.70	300	70	N	20	300
117	>50.0	<.05	.10	1.50	150	150	<500	20	700
118	2.0	.20	.10	>2.00	300	30	N	<20	1,000
119	15.0	.30	.15	>2.00	500	70	N	150	1,500
120	10.0	.30	<.10	>2.00	3,000	150	<500	150	1,000
122	15.0	.30	.15	>2.00	5,000	30	N	150	1,500
123	7.0	.15	.10	>2.00	1,500	15	N	70	1,500
124	10.0	.70	.10	>2.00	7,000	15	N	150	1,500
126	10.0	.70	<.10	>2.00	700	30	N	150	700
133	20.0	.15	.30	>2.00	300	200	500	70	1,500
138	3.0	.20	15.00	1.50	1,500	100	N	70	>10,000
149	3.0	.30	.70	2.00	300	30	N	200	1,500
150	3.0	.30	.30	1.50	300	30	N	150	1,500
151	5.0	.30	.70	>2.00	300	30	1,000	150	1,500
152	2.0	.30	.30	>2.00	200	50	N	150	1,000
153	5.0	.50	.70	>2.00	300	70	N	200	1,500
154	3.0	.30	7.00	>2.00	1,500	70	N	100	70
157	5.0	.70	2.00	>2.00	700	15	N	200	1,500
158	3.0	.70	3.00	>2.00	1,000	15	N	150	1,500
161	5.0	.70	3.00	>2.00	2,000	30	N	70	700
162	3.0	.70	3.00	>2.00	2,000	30	N	100	700
163	3.0	.70	1.50	>2.00	3,000	30	N	70	700
164	2.0	.70	7.00	>2.00	2,000	30	N	70	700
166	5.0	.30	3.00	>2.00	1,500	30	N	70	700
167	7.0	.30	1.50	>2.00	1,500	30	N	70	700
169	2.0	.30	7.00	>2.00	2,000	30	N	70	700
170	1.5	.30	3.00	>2.00	1,500	30	N	70	700
171	3.0	.30	1.50	>2.00	1,500	30	N	70	700
172	3.0	.30	1.00	1.50	700	30	N	70	500
173	3.0	.30	2.00	>2.00	3,000	30	N	50	300
174	7.0	.30	1.50	>2.00	3,000	30	N	70	700
175	3.0	.30	1.50	2.00	1,500	30	N	50	700
176	1.5	.30	1.50	1.50	1,000	30	N	50	700

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
104	N	<20	N	15	<20	5,000	150	10	<50
105	N	N	N	70	150	20,000	150	70	<50
106	N	<20	150	150	150	20,000	150	30	<50
107	N	30	200	300	150	15,000	50	50	<50
108	N	20	N	100	150	3,000	100	50	<50
109	N	30	300	200	150	15,000	100	70	<50
110	N	20	150	150	150	3,000	50	50	N
111	N	20	200	150	150	3,000	70	70	<50
112	N	20	N	150	150	1,500	100	70	<50
113	N	20	<100	150	150	1,000	100	30	<50
114	N	<20	N	150	150	3,000	70	70	<50
115	N	30	N	150	150	1,500	150	70	<50
116	N	20	<100	70	150	700	100	70	<50
117	N	<20	100	150	150	2,000	100	70	<50
118	<20	20	<100	15	<20	1,000	300	20	<50
119	30	30	100	15	30	1,500	500	150	150
120	20	30	<100	15	<20	2,000	700	700	70
122	50	20	<100	30	20	1,000	700	150	70
123	30	<20	<100	15	<20	1,000	500	150	100
124	50	30	<100	100	20	1,000	300	100	70
126	30	N	500	10	<20	3,000	500	2,000	<50
133	N	<20	<100	15	30	1,000	700	150	100
138	30	<20	700	<10	<20	700	700	70	<50
149	<20	<20	150	<10	<20	700	200	70	<50
150	<20	<20	<100	N	<20	1,000	200	15	N
151	20	30	100	N	<20	1,000	1,000	20	<50
152	20	70	<100	N	<20	700	700	30	<50
153	30	70	100	N	<20	700	1,000	70	N
154	30	<20	150	70	<20	1,500	300	15	N
157	20	<20	150	<10	<20	700	150	50	N
158	<20	<20	100	<10	<20	500	300	1,000	<50
161	N	N	100	<10	50	150	150	10	N
162	N	N	150	<10	<20	200	150	150	N
163	N	<20	150	15	<20	1,500	100	10	N
164	N	<20	150	10	20	500	200	<10	N
166	N	<20	150	10	<20	300	300	15	<50
167	N	<20	150	10	<20	150	300	15	<50
169	N	<20	150	<10	<20	300	300	15	<50
170	N	N	150	<10	<20	150	300	70	<50
171	N	<20	150	<10	<20	1,000	150	<10	<50
172	N	N	100	<10	<20	70	70	<10	<50
173	N	<20	100	<10	<20	700	300	<10	<50
174	N	<20	150	15	<20	150	150	<10	<50
175	N	<20	150	N	<20	30	150	<10	<50
176	N	<20	100	N	<20	20	100	<10	N

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s
104	1,500	<10	N	700	<20	N	70	3,000	<200	N
105	1,500	15	70	300	<20	N	70	3,000	N	N
106	1,500	10	50	300	N	<100	70	3,000	N	N
107	700	<10	70	300	<20	<100	30	20,000	N	N
108	700	10	50	200	<20	<100	50	7,000	N	N
109	1,500	10	70	300	<20	<100	70	>20,000	N	N
110	1,000	<10	50	300	<20	<100	30	>20,000	N	N
111	1,000	<10	70	300	<20	<100	70	>20,000	N	N
112	700	<10	70	300	<20	<100	70	3,000	N	N
113	500	<10	50	300	<20	<100	70	7,000	N	N
114	300	10	70	300	<20	<100	70	15,000	N	N
115	700	10	70	300	<20	<100	70	1,000	N	N
116	700	10	70	300	<20	<100	70	1,500	N	N
117	300	<10	50	300	<20	<100	70	1,000	N	N
118	200	10	<20	1,500	<20	<100	150	1,500	N	N
119	5,000	<10	<20	700	30	150	300	3,000	<200	N
120	15,000	<10	<20	1,500	30	150	150	3,000	<200	N
122	15,000	<10	<20	700	30	150	300	7,000	<200	N
123	3,000	10	<20	700	30	150	300	5,000	<200	N
124	15,000	<10	<20	500	30	150	300	7,000	N	N
126	15,000	10	30	300	150	<100	200	>20,000	N	N
133	10,000	<10	<20	1,500	50	<100	150	3,000	<200	N
138	3,000	10	N	700	<20	<100	300	15,000	N	2,000
149	7,000	15	<20	1,500	150	N	700	1,500	<200	2,000
150	3,000	15	<20	1,500	70	N	700	500	<200	2,000
151	30,000	15	15	3,000	700	N	700	N	200	2,000
152	50,000	15	20	2,000	70	N	1,500	N	<200	2,000
153	50,000	15	20	5,000	150	<100	700	N	<200	2,000
154	2,000	15	20	500	70	N	700	3,000	<200	2,000
157	1,000	15	<20	200	70	N	700	1,500	<200	2,000
158	3,000	<10	<20	200	70	<100	700	N	<200	2,000
161	300	50	N	200	100	N	1,000	N	200	2,000
162	700	30	N	200	70	N	70	N	<200	N
163	500	30	N	200	70	N	1,500	2,000	<200	N
164	300	30	N	200	70	N	700	N	<200	N
166	300	30	N	200	100	N	1,000	N	<200	2,000
167	300	30	N	<200	150	N	700	N	<200	2,000
169	300	30	N	<200	70	N	700	N	<200	2,000
170	300	30	70	<200	70	N	700	N	<200	N
171	300	50	N	<200	70	N	1,000	<500	<200	N
172	100	30	N	<200	70	N	700	N	<200	N
173	150	50	N	<200	70	N	1,000	N	<200	N
174	200	30	N	<200	70	N	700	N	<200	N
175	200	70	N	<200	70	N	1,500	N	<200	N
176	200	20	N	<200	70	N	700	N	N	N

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s
177	3.0	.30	.70	1.50	700	30	N	70	700
178	3.0	.30	1.50	>2.00	1,000	30	N	70	700
179	2.0	.30	1.00	.70	700	30	N	70	300
180	1.5	.30	.70	.70	500	30	N	50	700
182	1.5	.15	.70	.50	700	7	N	100	500
183	3.0	.30	3.00	1.50	1,500	30	N	70	700
184	1.5	.15	1.50	.70	3,000	30	N	70	300
185	1.5	.20	3.00	.30	3,000	20	N	150	700
186	3.0	.30	1.50	.70	3,000	30	N	150	700
189	5.0	.20	1.50	1.00	1,000	20	N	100	500
190	2.0	.10	7.00	.30	>10,000	30	N	100	300
193	2.0	.30	3.00	.30	2,000	70	N	150	300
194	3.0	.05	.70	.15	700	150	N	1,000	100
195	1.0	.15	1.50	>2.00	1,500	70	N	300	700
196	1.5	.30	1.50	>2.00	1,500	30	N	300	700
197	1.0	.15	1.50	>2.00	1,500	15	N	200	700
198	1.0	.20	7.00	>2.00	1,000	7	N	150	700
199	1.0	.30	5.00	>2.00	1,500	10	N	150	700
200	1.0	.15	3.00	>2.00	1,500	30	N	150	700

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s
177	N	<20	100	N	<20	50	150	<10	N
178	N	<20	150	N	<20	300	300	10	<50
179	<20	<20	150	N	<20	500	200	N	<50
180	N	<20	150	N	<20	150	150	N	<50
182	N	N	<100	<10	<20	300	150	15	N
183	N	<20	150	<10	<20	70	2,000	<10	N
184	N	<20	150	N	<20	100	1,500	<10	N
185	N	<20	150	N	<20	300	1,500	20	N
186	N	<20	150	N	<20	200	700	50	N
189	N	<20	100	N	<20	300	500	15	N
190	N	<20	150	N	<20	700	200	30	N
193	N	<20	150	N	<20	300	70	20	N
194	30	30	N	<10	70	500	100	<10	N
195	N	20	100	<10	<20	3,000	150	15	150
196	N	<20	150	<10	<20	1,000	300	20	70
197	N	<20	150	N	<20	300	150	<10	70
198	N	<20	150	N	<20	150	300	<10	70
199	N	<20	150	15	<20	1,500	700	15	100
200	N	<20	150	<10	<20	1,000	300	10	70

Table 5a. Analytical data for the nonmagnetic fraction of drill hole 1 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s
177	300	20	N	<200	70	N	700	N	<200	N
178	300	50	N	<200	100	N	1,000	N	<200	N
179	700	70	N	<200	70	N	1,500	N	<200	N
180	300	30	N	<200	70	N	700	N	<200	N
182	200	20	N	<200	30	N	500	N	N	N
183	150	70	N	<200	70	N	700	N	<200	N
184	300	70	N	<200	50	N	1,000	N	<200	N
185	300	15	N	200	70	N	700	<500	<200	N
186	300	30	N	<200	70	N	700	3,000	<200	2,000
189	150	50	N	<200	70	N	700	700	<200	2,000
190	300	30	N	700	30	N	700	700	<200	2,000
193	500	15	N	<200	70	N	700	>20,000	<200	N
194	1,500	N	N	<200	70	N	70	>20,000	<200	N
195	1,500	<10	30	<200	70	N	700	10,000	<200	N
196	500	N	50	<200	30	N	300	7,000	<200	N
197	300	10	30	<200	30	N	500	3,000	<200	N
198	500	<10	30	<200	70	N	300	700	<200	2,000
199	700	N	70	<200	150	<100	300	3,000	200	2,000
200	500	10	50	<200	70	N	300	1,500	<200	2,000

Table 5b. Analytical data for the nonmagnetic fraction of drill hole 2 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s	Ba ppm-s	Be ppm-s
2	.7	.07	.15	.30	2,000	7	N	50	300	3
8	.7	.07	<.10	.30	1,500	30	N	150	300	3
9	.7	.15	.10	.20	1,500	20	N	300	700	3
12	3.0	.30	.15	.15	1,500	100	N	700	1,500	7
14	3.0	.07	<.10	.30	200	7	N	500	300	3
15	1.5	.10	.15	.15	300	7	1,500	500	700	7
16	2.0	.15	.15	.20	1,500	15	700	700	700	10
18	1.5	.10	<.10	.20	700	30	1,500	150	300	3
19	1.5	.07	<.10	.30	300	10	1,000	N	150	2
21	1.5	.10	.10	1.00	700	300	<500	150	300	5
24	1.5	.20	.10	.70	300	30	N	150	700	7
25	7.0	.15	<.10	.70	500	70	N	150	700	7
26	7.0	.15	.15	.70	1,000	30	N	300	700	20
27	3.0	.10	<.10	.30	500	30	N	150	700	7
28	3.0	.10	<.10	.30	700	7	N	70	500	3
29	5.0	.07	<.10	.70	300	300	N	100	300	5
30	3.0	.07	<.10	.50	150	7,000	N	70	200	7
31	3.0	.07	<.10	.30	150	150	N	150	300	10
32	3.0	.10	<.10	.70	200	70	N	150	300	10
33	1.5	.07	<.10	1.00	500	150	N	150	300	10
34	3.0	1.50	<.10	.70	1,500	50	N	150	700	7
35	3.0	.30	.10	.70	700	50	N	200	1,500	10
36	1.5	.20	.10	.70	1,000	30	N	150	700	15
37	3.0	.07	.15	1.00	2,000	20	500	300	700	15
38	7.0	.15	.15	1.50	3,000	30	N	300	1,500	20
39	1.5	.07	.15	1.50	1,500	15	N	1,500	700	15
40	2.0	.07	<.10	>2.00	200	20	N	150	300	10
41	1.5	.07	<.10	>2.00	150	30	N	150	300	15
42	2.0	.07	.15	>2.00	150	15	N	150	700	15
43	1.5	.10	.15	>2.00	150	15	N	200	700	15
44	3.0	.15	.70	>2.00	200	20	N	100	300	7
45	1.0	.05	<.10	>2.00	70	30	N	150	150	7
46	1.5	.10	<.10	1.50	150	15	N	150	500	15
47	5.0	.15	.15	1.00	150	15	N	300	700	15
48	2.0	.10	.15	1.50	150	15	N	150	700	15
49	1.5	.07	.15	1.50	150	10	N	100	300	15
50	3.0	.15	.10	1.50	200	70	N	200	>10,000	15
51	1.5	.10	.15	1.50	200	30	N	150	1,500	10
52	3.0	.15	.20	1.00	300	50	N	100	2,000	7
53	3.0	.15	.15	1.00	300	30	N	500	300	7

Table 5b. Analytical data for the nonmagnetic fraction of drill hole 2 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Bi ppm-s	Cd ppm-s	Co ppm-s	Cu ppm-s	La ppm-s	Mo ppm-s	Nb ppm-s	Pb ppm-s	Sc ppm-s
2	N	N	N	50	70	200	N	1,500	<10
8	N	150	N	150	300	50	<50	3,000	20
9	N	150	N	150	300	100	<50	5,000	15
12	N	100	N	1,500	1,500	70	<50	30,000	<10
14	N	N	N	500	700	700	N	>50,000	<10
15	N	N	N	300	1,500	70	N	>50,000	<10
16	N	N	N	200	1,500	150	N	>50,000	<10
18	70	N	15	70	300	>5,000	<50	>50,000	<10
19	70	N	15	70	300	>5,000	<50	>50,000	N
21	<20	150	10	150	1,500	>5,000	<50	>50,000	20
24	N	N	N	100	300	1,500	<50	30,000	10
25	N	150	<10	150	1,500	1,500	<50	30,000	10
26	N	100	N	150	2,000	1,500	<50	>50,000	<10
27	N	N	N	50	700	700	N	30,000	<10
28	N	N	N	70	150	200	N	15,000	<10
29	N	N	N	200	300	200	<50	30,000	<10
30	N	N	N	30	300	150	<50	30,000	<10
31	N	N	N	150	1,000	70	<50	50,000	<10
32	N	N	N	150	1,500	100	<50	>50,000	<10
33	N	N	N	300	700	100	<50	50,000	<10
34	N	100	N	150	700	70	<50	30,000	<10
35	N	100	N	200	500	70	<50	30,000	<10
36	N	100	<10	150	700	70	<50	30,000	10
37	N	150	15	150	1,000	70	<50	>50,000	30
38	<20	150	30	200	1,500	70	<50	>50,000	<10
39	70	150	15	150	700	50	<50	50,000	<10
40	N	150	<10	150	150	70	70	20,000	10
41	30	150	<10	70	150	70	70	30,000	10
42	50	100	<10	70	200	50	50	30,000	10
43	20	150	<10	150	500	70	50	>50,000	<10
44	30	150	<10	70	300	70	50	15,000	<10
45	70	150	<10	30	200	20	<50	30,000	10
46	70	100	N	30	300	20	<50	>50,000	<10
47	70	100	N	70	300	30	<50	50,000	<10
48	50	100	N	70	300	50	<50	>50,000	<10
49	30	100	N	70	300	20	<50	>50,000	<10
50	N	100	N	150	300	30	<50	>50,000	<10
51	N	100	N	15	300	20	<50	15,000	10
52	N	100	N	70	300	20	N	50,000	<10
53	20	150	N	70	300	20	N	30,000	20

Table 5b. Analytical data for the nonmagnetic fraction of drill hole 2 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Sn ppm-s	Sr ppm-s	V ppm-s	W ppm-s	Y ppm-s	Zn ppm-s	Th ppm-s	P ppm-s
2	N	300	30	100	150	700	N	N
8	N	500	30	N	700	N	N	N
9	70	700	30	N	700	N	<200	N
12	<20	500	50	<100	300	1,500	<200	N
14	N	700	N	N	150	2,000	<200	N
15	N	1,500	N	N	150	700	<200	2,000
16	<20	2,000	N	<100	150	700	<200	2,000
18	150	300	30	<100	150	N	<200	N
19	150	300	150	N	100	N	<200	N
21	70	500	150	150	500	700	200	N
24	<20	300	70	N	300	N	<200	N
25	<20	700	50	N	300	1,000	<200	N
26	<20	1,000	150	N	300	1,500	N	2,000
27	<20	500	30	N	300	1,500	N	N
28	N	300	70	N	150	1,000	N	N
29	150	700	30	N	300	3,000	<200	N
30	30	700	30	N	300	3,000	<200	N
31	30	1,500	150	N	150	5,000	N	2,000
32	70	1,000	50	N	300	5,000	<200	2,000
33	30	700	30	N	500	5,000	<200	2,000
34	<20	300	30	N	700	1,500	<200	2,000
35	<20	700	30	N	700	700	<200	2,000
36	N	700	30	N	700	1,500	<200	2,000
37	N	1,500	50	N	300	700	<200	2,000
38	N	2,000	70	<100	150	700	<200	2,000
39	70	1,500	50	<100	150	500	<200	2,000
40	150	700	5	150	N	<200	N	1,000
41	150	700	30	100	150	N	<200	2,000
42	20	700	70	<100	150	500	<200	2,000
43	150	1,500	50	100	300	700	<200	2,000
44	200	200	70	1	300	N	<200	N
45	150	200	30	1	300	N	<200	2,000
46	100	500	70	<100	200	1,000	<200	2,000
47	70	700	70	N	200	1,000	<200	2,000
48	100	700	70	<100	200	700	<200	2,000
49	70	500	70	N	150	700	<200	2,000
50	50	700	50	N	150	1,000	<200	2,000
51	<20	500	50	<100	300	N	<200	2,000
52	<20	700	50	<100	300	700	<200	2,000
53	30	700	30	<100	700	N	<200	2,000

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s
0	1.5	.07	.30	.70	1,000	15	N	70
4	5.0	.10	.30	.70	1,500	30	N	200
5	5.0	.10	.15	1.00	1,500	10	N	150
7	1.5	.07	<.10	.70	700	30	N	100
8	2.0	.15	.15	.70	1,500	15	N	150
9	1.5	.05	<.10	.30	1,500	15	N	70
10	2.0	.15	.10	.70	3,000	30	N	150
13	2.0	.07	.15	.70	5,000	30	N	150
14	1.5	.10	.10	.70	3,000	15	N	150
15	1.5	.15	.15	1.00	700	30	N	700
16	1.0	.10	<.10	.70	700	15	N	1,000
17	1.0	.15	<.10	.30	1,500	15	N	1,500
18	1.5	1.50	<.10	.50	3,000	15	N	1,500
19	2.0	.15	<.10	.30	1,500	15	N	1,500
20	1.0	.10	<.10	.10	1,500	20	N	700
21	1.0	.07	<.10	.30	1,500	15	N	700
22	1.5	.07	<.10	.30	500	20	N	500
23	3.0	.10	<.10	.30	300	15	1,500	300
24	2.0	.07	<.10	.30	200	3	1,000	200
25	3.0	.07	<.10	.30	150	3	N	100
26	3.0	.07	<.10	.50	200	3	N	70
27	3.0	.05	<.10	.50	150	3	N	100
28	3.0	.05	<.10	.20	100	3	N	70
29	2.0	.05	<.10	.30	100	1	N	50
30	3.0	.07	<.10	.30	200	30	700	50
31	2.0	.10	<.10	.70	300	7	500	100
32	5.0	.15	<.10	.70	700	3	700	150
33	2.0	.07	<.10	.50	1,500	15	500	150
34	1.5	.07	<.10	.70	200	15	N	200
35	1.5	.07	<.10	.15	700	3	500	100
36	1.5	.05	<.10	.30	700	7	700	150
37	1.5	.07	<.10	.15	1,500	15	N	150
38	1.5	.10	<.10	.15	1,500	15	N	100
39	3.0	.10	<.10	.30	1,500	150	N	300
40	1.5	.07	<.10	.20	700	15	N	200
41	1.5	.07	<.10	.10	1,500	15	N	150
42	1.0	.07	<.10	.15	700	15	N	100
43	1.5	.07	<.10	.50	1,500	15	N	150
45	2.0	.07	<.10	.15	3,000	30	N	100
46	1.5	.05	<.10	.30	1,500	30	N	50
47	2.0	.05	<.10	.30	1,000	30	N	70
48	1.5	.07	.10	.30	1,500	20	N	150
49	1.5	.07	<.10	.30	200	15	N	200
50	1.0	.07	<.10	1.50	300	30	500	70
51	1.0	.30	.15	1.50	1,000	15	500	150

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s
0	1,500	N	<20	N	<10	<20	30	150
4	700	N	N	150	<10	<20	150	150
5	700	<20	N	150	N	<20	300	300
7	500	N	<20	150	N	<20	30	200
8	700	N	<20	150	N	<20	30	300
9	200	N	<20	100	N	<20	30	100
10	300	N	<20	150	N	<20	50	150
13	700	N	<20	150	N	<20	200	300
14	500	N	<20	100	N	<20	30	300
15	700	N	<20	150	N	<20	150	300
16	700	N	<20	<100	N	<20	15	300
17	700	N	<20	100	N	<20	150	70
18	700	N	<20	<100	N	<20	700	100
19	700	N	<20	<100	N	<20	20	100
20	700	N	<20	150	N	<20	15	150
21	500	N	<20	100	N	<20	15	70
22	300	<20	<20	<100	N	<20	300	1,500
23	300	N	<20	<100	N	20	500	1,500
24	200	<20	<20	<100	N	<20	300	2,000
25	70	N	N	N	N	<20	700	700
26	150	<20	<20	N	N	<20	500	1,000
27	150	N	<20	<100	N	<20	700	1,500
28	70	N	N	N	N	<20	700	1,500
29	70	N	N	N	N	N	700	300
30	150	<20	N	N	N	N	1,000	700
31	300	N	<20	N	10	N	30	300
32	150	N	20	N	15	<20	30	200
33	1,000	<20	<20	N	N	N	300	1,000
34	700	N	<20	150	N	N	300	2,000
35	500	N	<20	150	N	N	300	>2,000
36	300	20	<20	100	N	N	700	>2,000
37	700	<20	N	N	N	N	150	1,500
38	700	N	N	N	N	N	150	150
39	1,500	<20	N	100	<10	N	200	700
40	500	N	N	100	N	N	50	300
41	300	N	N	150	N	N	15	150
42	700	N	N	150	<10	N	15	150
43	300	N	N	100	<20	N	30	150
45	500	N	N	100	N	N	300	70
46	300	N	N	150	N	N	30	150
47	300	N	N	150	N	20	30	200
48	500	<20	<20	150	N	10	50	300
49	300	20	N	100	N	<20	50	700
50	700	N	<20	150	N	N	30	300
51	1,000	N	<20	150	N	N	30	300

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.

Sample	Mo ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	P ppm-s
0	>5,000	>50,000	10	5	500	30	300	7,000	N
4	150	1,500	15	70	700	30	700	700	N
5	70	3,000	30	N	1,500	30	1,000	1,000	2,000
7	70	1,500	20	N	700	30	1,500	700	N
8	70	700	20	N	700	3	700	500	N
9	<10	200	15	N	200	30	700	N	N
10	20	700	30	N	300	30	1,500	1,000	N
13	<10	3,000	30	N	500	30	1,500	1,000	N
14	<10	1,500	15	N	500	30	1,000	1,500	N
15	150	1,500	30	N	300	50	2,000	N	N
16	50	700	10	N	300	30	1,000	1,500	N
17	<10	300	10	N	200	30	700	1,500	N
18	10	500	10	N	200	30	700	2,000	N
19	150	700	<10	30	200	30	700	700	N
20	500	1,500	20	<20	200	30	700	N	N
21	15	700	<10	20	200	30	700	1,000	N
22	20	50,000	10	30	1,000	30	300	7,000	2,000
23	>5,000	>50,000	<10	70	1,000	30	150	5,000	2,000
24	1,000	50,000	<10	30	1,000	30	200	7,000	2,000
25	500	30,000	N	30	500	30	70	7,000	N
26	150	30,000	N	30	700	30	150	7,000	2,000
27	700	50,000	N	30	1,500	50	150	5,000	2,000
28	100	30,000	N	20	700	30	100	3,000	N
29	150	30,000	<10	<20	1,000	20	70	3,000	N
30	1,000	30,000	<10	<20	700	20	150	3,000	N
31	>5,000	>50,000	N	100	200	30	100	N	N
32	>5,000	>50,000	N	150	300	30	70	500	N
33	3,000	30,000	10	<20	200	30	200	700	2,000
34	700	50,000	10	<20	300	20	300	3,000	2,000
35	700	50,000	<10	N	200	20	200	3,000	2,000
36	150	50,000	<10	20	200	20	300	2,000	2,000
37	150	30,000	<10	N	200	30	300	700	2,000
38	300	3,000	<10	<20	300	30	300	500	N
39	300	30,000	10	<20	300	30	300	2,000	2,000
40	50	15,000	10	<20	300	20	300	500	N
41	70	1,500	20	30	300	30	700	700	N
42	50	700	10	N	300	20	300	<500	N
43	70	700	<10	N	300	30	700	1,000	N
45	50	700	<10	N	300	20	700	2,000	N
46	200	700	20	N	300	20	1,000	N	N
47	50	700	20	N	200	20	700	N	N
48	10	30,000	30	N	300	30	700	1,500	2,000
49	15	>50,000	<10	N	300	30	200	2,000	2,000
50	70	20,000	20	N	200	30	700	700	2,000
51	30	15,000	15	N	200	30	700	700	N

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s
52	1.0	.05	<.10	.30	300	15	N	50
53	1.0	.07	.15	1.50	700	20	N	70
54	1.5	.07	<.10	>2.00	200	20	N	70
55	1.0	.07	<.10	.70	700	15	N	300
56	1.0	.07	<.10	.70	700	15	N	70
57	1.5	.10	<.10	1.00	500	15	N	70
60	1.5	.07	.70	.50	300	30	N	50
61	1.5	.05	<.10	.30	300	15	N	70
62	1.5	.07	<.10	.70	2,000	15	N	50
63	1.5	.15	<.10	.70	7,000	30	N	70
64	1.0	.07	1.50	.50	7,000	300	N	N
65	1.5	.10	2.00	.70	3,000	50	N	50
67	1.0	.07	.30	.50	3,000	30	N	N
68	1.0	.15	.15	.30	5,000	30	N	N
69	1.5	.15	.70	.50	3,000	20	N	20
70	1.0	.15	.15	.30	3,000	30	N	N
71	1.0	.07	.70	.20	3,000	15	N	N
72	1.5	.10	<.10	.50	7,000	30	N	<20
73	1.5	.10	.15	.70	1,500	30	N	<20
74	2.0	.15	.10	.70	7,000	30	N	<20
75	1.0	.07	.15	.30	1,500	30	N	N
76	1.5	.15	.15	1.00	7,000	30	N	<20
77	1.5	.15	3.00	1.50	2,000	20	N	N
78	1.5	1.15	3.00	1.50	7,000	20	N	<20
79	1.0	.07	20.00	.70	1,500	30	N	N
80	1.0	.07	30.00	1.00	1,000	30	N	N
81	2.0	.15	3.00	1.50	1,500	30	N	N
82	2.0	.20	15.00	1.50	1,500	70	N	N
83	1.5	.15	.30	.70	3,000	70	N	30
84	3.0	.15	.15	>2.00	2,000	70	N	30
85	2.0	.15	.15	>2.00	2,000	70	N	30
86	3.0	.15	<.10	>2.00	3,000	70	N	30
87	5.0	.20	<.10	>2.00	1,500	70	N	150
88	7.0	.15	<.10	>2.00	1,000	50	N	70
89	1.5	.07	<.10	1.50	200	70	N	N
90	3.0	.07	<.10	1.00	300	30	N	30
91	3.0	.07	.10	2.00	300	30	N	30
93	5.0	.15	.30	>2.00	700	50	N	70
94	1.5	.15	.15	>2.00	700	50	N	N
95	3.0	.15	.30	.70	300	15	N	20
96	2.0	.15	<.10	1.50	300	30	N	20
97	1.5	.20	<.10	>2.00	300	50	1,000	50
98	2.0	.30	.10	1.50	300	30	N	50
99	30.0	.15	.15	.70	300	30	N	70
100	>50.0	<.05	<.10	.15	70	15	1,000	N

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s
52	700	N	N	150	N	N	15	150
53	700	<20	N	150	N	<20	15	0
54	700	<20	20	150	N	<20	70	0
55	700	<20	N	150	N	<20	15	0
56	500	N	N	150	N	<20	30	0
57	700	N	N	150	<10	<20	15	0
60	500	N	<20	150	N	<20	15	0
61	700	<20	N	150	N	<20	200	0
62	700	N	N	150	<10	<20	30	0
63	700	N	70	150	10	<20	30	0
64	700	<20	300	150	10	N	150	0
65	700	<20	<20	150	N	N	20	0
67	700	N	N	150	N	N	150	0
68	700	N	N	150	<10	N	10	0
69	700	N	N	150	N	N	20	0
70	700	N	N	150	N	N	15	0
71	300	N	N	150	N	N	<10	0
72	700	N	N	150	<10	N	10	0
73	1,500	<20	N	150	N	N	10	0
74	700	N	<20	150	<10	N	150	0
75	700	N	N	150	N	N	15	0
76	1,500	N	N	150	N	N	150	0
77	700	N	N	500	N	N	30	0
78	700	N	<20	300	N	N	30	0
79	700	N	<20	700	N	N	70	300
80	700	N	<20	300	N	N	30	300
81	1,000	30	<20	1,000	N	N	150	200
82	700	70	<20	>1,000	20	N	500	150
83	1,500	30	<20	150	15	N	150	>2,000
84	1,500	20	<20	200	10	N	300	300
85	1,500	20	<20	150	10	N	300	150
86	1,500	20	<20	150	15	N	150	300
87	1,500	20	<20	150	10	<20	150	300
88	2,000	30	<20	150	N	<20	150	500
89	>10,000	N	<20	150	N	<20	200	150
90	3,000	<20	<20	150	N	N	15	70
91	3,000	20	<20	150	N	N	150	300
93	3,000	<20	<20	150	30	<20	500	>2,000
94	>10,000	<20	<20	200	15	<20	200	300
95	3,000	20	<20	100	N	<20	700	>2,000
96	1,500	30	<20	150	N	N	150	>2,000
97	1,500	30	<20	150	N	N	150	300
98	700	20	<20	100	N	N	50	300
99	700	N	70	>1,000	150	70	2,000	200
100	100	N	30	200	150	100	150	<50

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	P ppm-s
52	10	1,500	15	N	300	20	700	N	N
53	<10	1,500	30	N	500	30	5,000	500	N
54	<10	700	30	N	200	30	1,500	1,000	N
55	<10	500	20	N	200	30	700	700	N
56	10	300	30	N	200	30	1,000	700	N
57	50	300	15	N	200	50	700	700	N
60	<10	1,500	20	N	200	30	700	1,000	2,000
61	30	300	15	N	200	30	700	700	N
62	50	700	15	30	200	30	700	700	N
63	300	7,000	30	N	200	50	700	1,000	N
64	70	50,000	10	N	200	30	700	5,000	2,000
65	30	1,500	30	N	200	50	1,500	3,000	2,000
67	20	300	20	N	200	50	1,000	1,500	N
68	20	700	30	N	200	50	1,000	1,500	N
69	70	300	15	N	200	50	700	1,000	N
70	20	300	30	N	200	50	3,000	700	N
71	20	700	15	N	200	30	700	700	2,000
72	30	700	30	N	200	50	700	700	N
73	50	700	30	N	200	50	500	N	N
74	50	1,500	30	N	200	50	700	N	N
75	50	700	30	N	200	50	700	N	N
76	30	200	30	N	200	50	700	500	N
77	50	300	20	N	500	50	700	1,000	2,000
78	30	300	30	N	500	50	700	700	2,000
79	150	70	20	N	1,500	50	700	700	2,000
80	100	1,500	30	N	1,500	50	700	N	2,000
81	100	1,500	20	N	700	50	700	5,000	2,000
82	50	300	30	N	700	70	1,000	7,000	2,000
83	70	30,000	20	N	1,000	70	1,500	3,000	2,000
84	150	30,000	30	N	700	70	1,000	2,000	2,000
85	70	15,000	<10	N	700	70	1,000	<500	N
86	100	3,000	20	N	300	70	700	N	N
87	100	30,000	20	30	500	70	700	N	2,000
88	70	30,000	20	<20	700	70	700	N	2,000
89	20	1,500	20	N	500	50	700	N	N
90	70	1,500	<10	N	N	70	700	N	N
91	50	50,000	<10	N	1,500	70	700	700	2,000
93	30	700	30	50	>10,000	70	3,000	1,500	2,000
94	30	700	30	N	3,000	50	2,000	1,000	2,000
95	20	3,000	<10	N	>10,000	50	700	1,500	2,000
96	30	>50,000	<10	N	1,500	100	700	2,000	2,000
97	20	>50,000	<10	<20	700	70	700	2,000	2,000
98	70	>50,000	<10	30	500	150	150	1,500	2,000
99	70	10,000	<10	50	<200	70	150	3,000	2,000
100	70	200	<10	50	500	20	50	2,000	N

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Fe %-s	Mg %-s	Ca %-s	Ti %-s	Mn ppm-s	Ag ppm-s	As ppm-s	B ppm-s
101	>50.0	<.05	<.10	.30	50	200	700	N
102	7.0	<.05	.10	.50	70	10	1,500	N
103	30.0	.10	<.10	.20	70	17	1,000	150
104	50.0	<.05	<.10	.20	30	30	1,000	100
105	>50.0	<.05	<.10	.20	30	30	700	300
106	5.0	.07	.15	1.50	100	30	<500	150
107	1.5	.15	.15	>2.00	300	30	N	150
111	1.0	.07	15.00	.15	1,500	<1	N	N
112	2.0	.15	.30	1.00	100	30	3,000	150
113	3.0	.10	.30	1.50	150	70	1,000	70
114	1.5	.07	.15	.70	100	20	1,000	70
115	2.0	.15	.15	1.50	150	15	3,000	100
116	1.5	.15	.30	1.50	150	1,000	700	30
117	15.0	.07	<.10	.30	100	150	N	20
118	50.0	.10	<.10	.70	150	70	N	150
119	20.0	.07	.15	.30	150	70	N	30
120	2.0	.15	<.10	>2.00	500	70	500	20
121	1.5	.10	.15	1.50	300	70	<500	<20
122	2.0	.20	<.10	>2.00	300	50	<500	70
123	2.0	.15	<.10	>2.00	1,500	70	<500	<20
124	1.5	.20	.15	.70	1,500	30	N	<20
125	2.0	.30	3.00	.70	2,000	30	N	N
126	1.0	.15	1.50	.70	1,000	30	N	N

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Ba ppm-s	Be ppm-s	Bi ppm-s	Cd ppm-s	Co ppm-s	Cr ppm-s	Cu ppm-s	La ppm-s
101	>10,000	N	30	N	30	70	10,000	100
102	700	N	70	N	N	N	200	300
103	300	N	50	N	30	50	1,500	150
104	700	N	150	N	30	30	1,500	150
105	150	N	70	N	70	70	1,500	100
106	700	N	30	<100	N	N	150	300
107	700	N	30	<100	N	N	300	300
111	150	N	<20	N	<10	N	70	200
112	700	N	70	N	N	N	150	500
113	700	N	70	<100	N	N	70	300
114	500	N	70	N	N	N	70	300
115	700	N	70	N	N	N	150	500
116	700	N	30	<100	N	N	150	300
117	150	N	<20	N	15	N	3,000	200
118	700	N	30	>1,000	70	70	5,000	150
119	700	N	20	100	30	<20	5,000	300
120	700	N	30	300	N	N	150	200
121	700	N	70	200	N	N	150	150
122	1,500	N	100	200	N	N	150	300
123	700	N	N	150	N	N	150	150
124	700	N	<20	300	N	N	150	150
125	700	N	<20	300	N	N	100	300
126	500	N	N	200	N	N	50	150

Table 5c. Analytical data for the nonmagnetic fraction of drill hole 3 collected during the U.S.G.S.-C.R.M. detailed study of the Agua Caliente area, El Correo quadrangle, northern Sonora, Mexico.--continued

Sample	Mo ppm-s	Pb ppm-s	Sc ppm-s	Sn ppm-s	Sr ppm-s	V ppm-s	Y ppm-s	Zn ppm-s	P ppm-s
101	70	300	<10	70	500	30	150	N	N
102	70	10,000	<10	20	1,000	150	150	N	N
103	30	300	<10	30	500	70	30	N	N
104	30	3,000	<10	30	700	100	30	N	N
105	70	300	<10	70	300	30	50	700	N
106	30	700	20	50	700	70	300	N	2,000
107	15	700	20	30	1,500	70	150	N	2,000
111	70	1,000	N	N	700	50	300	3,000	2,000
112	30	>50,000	<10	<20	1,500	100	200	3,000	2,000
113	70	30,000	20	<20	700	70	300	500	2,000
114	20	>50,000	<10	<20	700	100	150	1,000	2,000
115	100	>50,000	<10	30	700	150	70	1,500	2,000
116	1,500	>50,000	<10	30	500	150	100	3,000	2,000
117	1,000	30,000	<10	20	200	70	70	3,000	N
118	70	30,000	<10	30	200	30	20	10,000	N
119	20	50,000	<10	500	30	30	150	700	2,000
120	30	3,000	30	<20	700	70	300	N	N
121	70	15,000	30	N	700	70	700	N	2,000
122	100	30,000	20	20	1,500	70	700	N	2,000
123	70	1,500	20	N	300	70	700	N	2,000
124	20	1,000	30	N	700	70	700	N	N
125	50	700	30	<20	500	70	700	1,000	2,000
126	30	300	30	N	300	50	700	N	2,000

TABLE 6.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

[The spectrographic limits of determination for heavy-mineral-concentrate samples are two reporting units higher than the limits given for rocks and stream sediments]

Elements	Lower determination limit	Upper determination limit
	Percent	
Iron (Fe) 0.05	20	
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
	Parts per million	
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000

Chemical methods

Other methods of analysis used on the samples from the Agua Caliente area are summarized in Table 7.

TABLE 7.--Chemical methods used

Sample type	Constituent determined	Analytical method	Determination limit[1] micrograms/gram or ppm	Reference
Sediments	Arsenic (As)	Colorimetric	1	Almond, 1953
	Fluorine (F)	Specific ion	100	Hopkins, 1977

[1] The determination limit is dependent upon sample weight. Given limits imply use of sample weight required by method. Higher limits of determination result from using less than required sample weight.